IMPORTANT INFORMATION

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrow-head symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within a triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

CAUTION:
DO NOT PLACE THIS PRODUCT ON AN UNSTABLE CART, STAND, TRIPOD, BRACKET, OR TABLE. THE PRODUCT MAY FALL CAUSING SERIOUS PERSONAL INJURY AND SERIOUS DAMAGE TO THE PRODUCT. USE ONLY WITH A CART, STAND, TRIPOD, BRACKET, OR TABLE RECOMMENDED BY THE MANUFACTURER OR SOLD WITH THE PRODUCT. FOLLOW THE MANUFACTURER'S INSTRUCTIONS WHEN INSTALLING THE PRODUCT AND USE MOUNTING ACCESSORIES RECOMMENDED BY THE MANUFACTURER. A PRODUCT AND CART COMBINATION SHOULD BE MOVED WITH CARE. QUICK STOPS, EXCESSIVE FORCE, AND UNEVEN SURFACES MAY CAUSE THE PRODUCT AND CART COMBINATION TO OVERTURN.

WARNING: FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

CAUTION:
This product satisfies FCC regulations when shielded cables and connectors are used to connect the unit to other equipment. To prevent electromagnetic interference with electric appliances such as radios and televisions, use shielded cables and connectors for connections.

"Note to CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the National Electrical Code that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical."

This product utilizes tin-lead solder, and fluorescent lamp containing a small amount of mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eia.org

IMPORTANT SAFETY INSTRUCTIONS

Electricity is used to perform many useful functions, but it can also cause personal injuries and property damage if improperly handled. This product has been engineered and manufactured with the highest priority on safety. However, improper use can result in electric shock and / or fire. In order to prevent potential danger, please observe the following instructions when installing, operating and cleaning the product. To ensure your safety and prolong the service life of your Liquid Crystal Television, please read the following precautions carefully before using the product.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at the plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightening storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

IMPORTANT SAFETY INSTRUCTIONS

This product is designed and manufactured to operate within defined design limits, and misuse may result in electric shock or fire. To prevent the product from being damaged, the following rules should be observed for the installation, use and maintenance of the product. Read the following safety instructions before operating the display. Keep these instructions in a safe place for future reference.

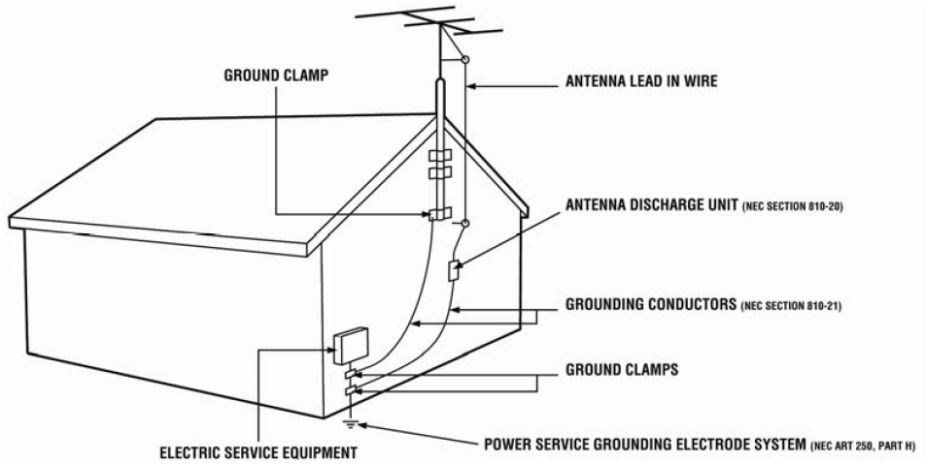
- To avoid the risk of electric shock or component damage, switch off the power before connecting other components to the X46 LCD TV.
- Unplug the power cord before cleaning the X46 LCD TV. Please use the included custom bezel cleaning cloth for cleaning the bezel of the X46 LCD TV only. Do not use a liquid or a spray cleaner for cleaning the product. Do not use abrasive cleaners.
- Always use the accessories recommended by the manufacturer to insure compatibility.
- When moving the X46 LCD TV from an area of low temperature to an area of high temperature, condensation may form on the housing. Do not turn on the X46 LCD TV immediately after this to avoid causing fire, electric shock or component damage.
- Do not place the X46 LCD TV on an unstable cart, stand, or table. If the X46 LCD TV falls, it can injure a person and cause serious damage to the appliance. Use only a cart or stand recommended by the manufacturer or sold with the X46 LCD TV.
- Any heat source should maintain a distance of at least 5 feet away from the X46 LCD TV, i.e. radiator, heater, oven, amplifier etc. Do not install the product too close to anything that produces smoke or moisture. Operating the product close to smoke or moisture may cause fire or electric shock.
- Slots and openings in the back and bottom of the cabinet are provided for ventilation. To ensure reliable operation of the X46 LCD TV and to protect it from overheating, be sure these openings are not blocked or covered. Do not place the X46 LCD TV in a bookcase or cabinet unless proper ventilation is provided.
- Never push any object into the ventilation slots of the X46 LCD TV. Do not place any objects on the top of the Product. It could short circuit parts causing a fire or electric shock. Never spill liquids on the X46 LCD TV.
- Do not use the X46 LCD TV in a portrait format (by rotating 90 degrees) under high temperature environment (25°C or higher), since this would retard heat dissipation and would eventually damage the TV.
- The X46 LCD TV should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supplied to your home, consult your dealer or local power company.
- The power cable must be replaced when using different voltage from that specified in the User Manual. For more information, contact your dealer.
- The X46 LCD TV is equipped with a three-pronged grounded plug, a plug with a third (grounding) pin. This plug will fit only into a grounded power outlet as a safety feature. If your outlet does not accommodate the three-wire plug, have an electrician install the correct

outlet, or use an adapter to ground the appliance safely. Do not defeat the safety purpose of the grounded plug.
- Do not overload power strips and extension cords. Overloading can result in fire or electric shock.
- The wall socket should be installed near the equipment and should be easily accessible.
- Only the marked power source can be used for the product. Any power source other than the specified one may cause fire or electric shock.
- Do not touch the power cord during thunderstorms. To avoid electric shock, avoid handling the power cord during electrical storms.
- Unplug the unit during a lightning storm or when it will not be used for a long period of time. This will protect the X46 LCD TV from damage due to power surges.
- Do not attempt to repair or service the product yourself. Opening or removing the back cover may expose you to high voltages, the risk of electric shock, and other hazards. If repair is required, please contact your dealer and refer all servicing to qualified service personnel.
- Keep the product away from moisture. Do not expose this appliance to rain or moisture. If water penetrates into the product, unplug the power cord and contact your dealer. Continuous use in this case may result in fire or electric shock.
- Do not use the product if any abnormality occurs. If any smoke or odor becomes apparent, unplug the power cord and contact your dealer immediately. Do not try to repair the product yourself.
- Avoid using dropped or damaged appliances. If the product is dropped and the housing is damaged, the internal components may function abnormally. Unplug the power cord immediately and contact your dealer for repair. Continued use of the product may cause fire or electric shock.
- Do not install the product in an area with heavy dust or high humidity. Operating the product in environments with heavy dust or high humidity may cause fire or electric shock.
- Hold the power connector when removing the power cable. Pulling the power cable itself may damage the wires inside the cable and cause fire or electric shocks. When the product will not be used for an extended period of time, unplug the power connector.
- To avoid risk of electric shock, do not touch the connector with wet hands.
- Insert batteries in accordance with instructions while using the remote control. Incorrect polarities may cause damage and leakage of the batteries, operator injury and contamination the remote control.
- If any of the following occurs please contact the dealer:
    - The power connector fails or frays.
    - Liquid sprays or any object drops into the X46 LCD TV.
    - The Display is exposed to rain or other moisture.
    - The Display is dropped or damaged in any way.
    - The performance of the Display changes substantially.
- Operating environment: Temperature: 5°C ~ 35°C, Humidity: 10% to 90% non-condensing, Altitude: 0~10,000 ft.

IMPORTANT INFORMATION

ANTENNA GROUNDING ACCORDING TO THE NATIONAL ELECTRICAL CODE, ANSI/NFPA 70

External Television Antenna Grounding
If an outside antenna or cable system is going to be connected to the television equipment, be sure that the antenna or cable system is electrically grounded in order to provide some protection against voltage surges and static built up charges. Article 810 of the National Electrical Code, ANSI/NFPSA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of the grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements of the grounding electrode. Below is a picture of an example of antenna grounding as per national electrical code, ANSI/NFPA 70.


GROUND CLAMP
ANTENNA LEAD IN WIRE
ANTENNA DISCHARGE UNIT (NEC SECTION 810-20)
GROUNDING CONDUCTORS (NEC SECTION 810-21)
GROUND CLAMPS
ELECTRIC SERVICE EQUIPMENT
POWER SERVICE GROUNDING ELECTRODE SYSTEM (NEC ART 250, PART H)

Lightning Protection
For added protection of the LCD TV during a lightning storm or when it is left unattended or unused for long periods of time, unplug the LCD TV from the wall outlet and disconnect the antenna or cable system.

Power Lines
Do not locate the antenna near overhead light or power circuits, or where it could fall into such power lines or circuits.

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Dear Sceptre Customer,

Congratulations on your new SCEPTRE X46 High Definition LCD Television purchase. Thank you for your support. To ensure safety and many years of trouble free operation of your TV, please read the manual carefully before making any adjustments, and keep them in a safe place for future reference. This TV is built with precision and features a number of exciting technologies such as, perfect curvature scaling engine, SRS TruSurround XT™ sound enhancement technology, motion adaptive digital noise reduction, and adaptive contrast. We hope you enjoy your new SCEPTRE X46 High Definition LCD Television.

For technical assistance, please call 1800-788-2878 and select option 3 or email our tech support group at monitor-ts@sceptre.com.

For all other inquiries, please call 1800-788-2878 and select option 4 or email our customer service group at cs@sceptre.com.

We recommend you register your SCEPTRE X46 HDTV with the enclosed registration card and mail it in. For peace of mind and to protect your investment beyond the standard warranty, SCEPTRE offers a two year extended warranty service for your TV. This plan gives additional coverage once your standard warranty period runs out. Please call our customer service group to purchase the extended warranty.

OPENING THE PACKAGE

The SCEPTRE X46 is packaged in a carton. Any standard accessories are packed separately in another carton. The weight of the LCD display is approximately 71 lbs. Due to the size and weight of the product, it is suggested that it must be handled by a minimum of 2 or more persons. Since the glass can be easily scratched or broken, please handle the product gently. Never place the unit on a surface with the glass facing downwards unless it is on protective padding. When opening the carton, check that the product is in good condition and that all standard accessories and items are included. Save the original box and all packing materials for future shipping needs.

PACKAGE CONTENTS

SCEPTRE X46 HDTV Display x 1
User Manual x 1
Power Cord x 1
Warranty / Registration Card x 1
X46 Remote Control (AAA Batteries included) x 1
Audio Cable (Red, and White Connectors) x 1
Component Cable (Green, Blue, and Red Connectors) x 1
Custom Bezel Cleaning Cloth (FOR DRY CLEANING ONLY)
Alternate Cover Plate x 1

BEFORE YOU BEGIN

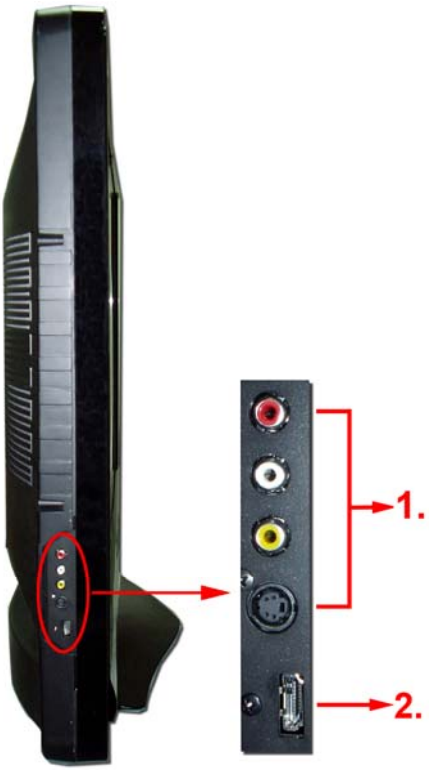
Please read the user manual carefully before performing the installation. **Because of the size of the panel, the X46 LCD TV will take 10 – 12 seconds to power on.** The power consumption of the display is approximately 250 watts. Please use the power cord designated for the product. When an extension cord is required, use one with the correct power rating. The cord must be grounded and the grounding feature must not be defeated. The product should be installed on a flat surface to avoid tipping. Space should be maintained between the back of the product and the wall for proper ventilation. If you would like to mount the TV onto the wall, please see page 7, 8, and, 14 for additional information. Avoid installing the product in the kitchen, bathroom or other places with high humidity dust or smoke, so as not to shorten the service life of the electronic components. Please ensure the product is installed with the screen in landscape orientation. Any 90° clockwise or counterclockwise installation may induce poor ventilation and successive component damage.

IDENTIFYING FRONT AND REAR PANEL

FRONT VIEW

1. INDICATOR LIGHT – The light is red when power is plugged in but the TV is not turned on. The light turns blue when the TV is turned on. **Because of the size of the panel, the X46 LCD TV will take 10 – 12 seconds to power on.**
2. REMOTE SENSOR – The remote sensor receives all the commands from the remote control.

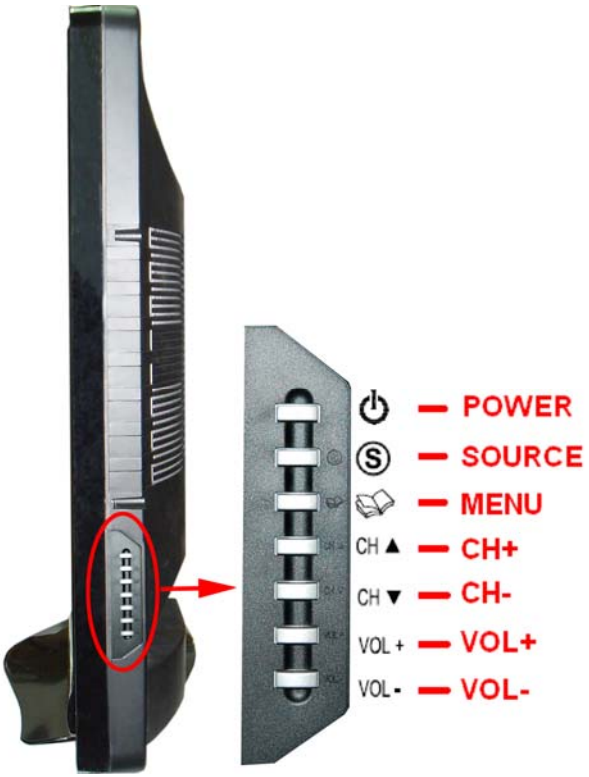
SIDE CONNECTION VIEW



1. AV 2 (CVBS or S-Video) – Connects to devices that use composite or s-video cables such as VCR or camcorder or video game consoles. Please connect the video portion with either the yellow connector or the S-Video connector. Do NOT connect both video connectors. Use the SOURCE button to select AV2 (CVBS) on your MAIN SOURCE if you are using the yellow plug for video, use the SOURCE button to select AV2 (S-Video) on your MAIN SOURCE if you are using the S-Video connector to view this connection.

2. HDMI 3 – Connects to devices that use HDMI cable, such as Blu-ray or HD DVD player or HD cable / satellite set-top box. This connection port receives pure digital audio and high definition signal through one single cable. This port also can accept a HDCP video device for video or PC for monitor display usage. Use the SOURCE button to select HDMI1 on your MAIN SOURCE to view this connection. Please note : when using HDMI, your sound signal must be PCM for the TV to decode digital audio. When using this source for PC display, you must connect the audio cable to VGA Stereo Input for audio.

SIDE VIEW CONTROL BUTTONS



POWER – Turn on the TV by pressing the button once. Press the button again to turn off the TV. **Because of the size of the panel, the X46 LCD TV will take 10 – 12 seconds to power on.**
SOURCE – This button switches between all the different sources of the TV. The switching sequence is as follows : TV (cable or air), AV1 (CVBS), AV1 (S-Video), AV2 (CVBS), AV2 (S-Video), YPbPr1, YPbPr2, VGA, HDMI1, HDMI2, and HDMI3. When the OSD is active, this button acts as the enter button and confirms the menu selection.
MENU – This button activates the On Screen Display (OSD). If a sub-menu is active, pressing this button will return selection to the previous menu level.
CH(▲/▼) – These buttons change the TV channel up or down. If the OSD is active, these buttons function as up or down controls for the menu.
VOL(+/-) – These buttons increase or decrease the TV's volume. If a sub-menu is active, pressing these buttons will move the selection left or right.

REAR VIEW MOUNTING PATTERN

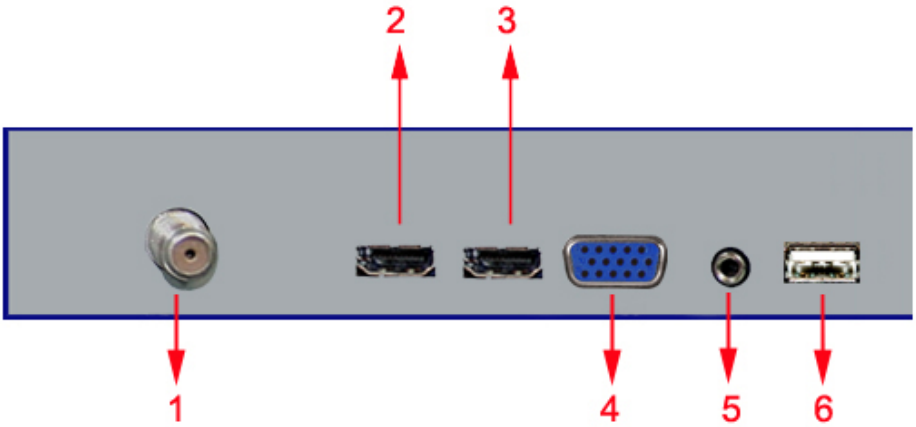
Mounting Specification : **600mm x 200mm** using screw size **M8**.
Length of screw should not exceed **25mm**.

Please Note : The **25mm** length of screw refers to how deep the screw can go inside the mounting holes. When you're buying screws, you should add the original 25mm to the thickness of your mounting plate in order to get the total screw length.

SWIVEL VIEW

The stand of the X46 LCD TV is capable of swiveling at **25°** each direction.

REAR VIEW CONNECTIONS



The following descriptions are for connections from left to right.

1. ATSC/NTSC – This connection is for digital or analog cable without the cable box or over-the-airwave antennas. The tuner is a hybrid tuner that tunes to both analog and digital channels. This connection uses coaxial RF cable. For over-the airwave digital stations please check http://www.antennaweb.org. Use the SOURCE button to select TV on your MAIN SOURCE to view this connection.

2. HDMI 1 – Connects to devices that use HDMI cable, such as Blu-ray or HD DVD player or HD cable / satellite set-top box. This connection port receives pure digital audio and high definition signal through one single cable. This port also can accept a HDCP video device for video or PC for monitor display usage. Use the SOURCE button to select HDMI1 on your MAIN SOURCE to view this connection. Please note : when using HDMI, your sound signal must be PCM for the TV to decode digital audio. When using this source for PC display, you must connect the audio cable to VGA Stereo Input for audio.

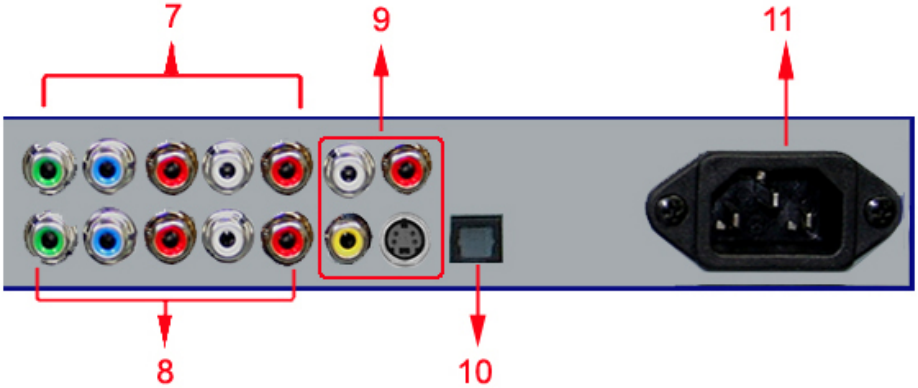
3. HDMI 2 – Connects to devices that use HDMI cable, such as Blu-ray or HD DVD player, or HD cable / satellite set-top box. This connection port receives pure digital audio and high definition signal through one single cable. This port also can accept a HDCP video device for video or PC for monitor display usage. Use the SOURCE button to select HDMI2 on your MAIN SOURCE to view this connection. Please note : when using HDMI, your sound signal must be PCM for the TV to decode digital audio. When using this source for PC display, you must connect the audio cable to VGA Stereo Input for audio.

4. VGA – This connection port connects to a PC for video using VGA cable. Be sure to connect your audio cable to the VGA Stereo input if you want sound out of VGA video source. Use the SOURCE button to select VGA on your MAIN SOURCE to view this connection.

5. VGA STEREO INPUT – This connection port is for people who want to provide audio to the TV when using a PC or a DVI video device. Use a 3.5mm mini-jack audio cable (headphone jack) to provide audio for a HDCP enabled DVI video device or PCs with VGA or DVI connection.

6. SERVICE – This port is for factory service by Sceptre's technicians only.

REAR VIEW CONNECTIONS (CONTINUED)



The following descriptions are for connections from left to right.

7. COMPONENT 1 (upper) – These connection ports are for DVD players, or satellite / cable set-top boxes that use component cables. From left to right, connect green, blue, and red for video, and then connect white for left channel audio, red for right channel audio. Use the SOURCE button to select YPbPr1 to view this connection.

8. COMPONENT 2 (lower) – These connection ports are for DVD players, or satellite / cable set-top boxes that use component cables. From left to right, connect green, blue, and red for video, and then connect white for left channel audio, red for right channel audio. Use the SOURCE button to select YPbPr2 to view this connection.

9. AV 1 (CVBS or S-Video) – Connects to devices that use composite or s-video cables such as VCR or camcorder or video game consoles. Please connect the video portion with either the yellow connector or the S-Video connector. Do NOT connect both video connectors. Use the SOURCE button to select AV1 (CVBS) on your MAIN SOURCE if you are using the yellow plug for video, use the SOURCE button to select AV1 (S-Video) on your MAIN SOURCE if you are using the S-Video connector to view this connection.

10. SPDIF Out (optical) – This connection port is used for sending out audio signals to other audio devices such as stereo/surround sound receivers. The black square (SPDIF OUT) connector sends out either bit-stream or PCM digital sound signal to a home theater receiver with digital input.

11. AC IN - This connection is for providing power to the TV. This connection uses a standard computer power cord.

Please Note:

- This TV features a power saving function which will turn off the TV automatically after 15 minutes of idling on a connection with no signal. This feature is present on all connection.

SCEPTRE X46 REMOTE

This remote control follows SONY's universal remote code.

TOP SECTION

POWER – This button turns the TV on or off. **Because of the size of the panel, the X46 LCD TV will take 10 – 12 seconds to power on.**
FREEZE – This button freezes the video. Press the button again to unfreeze the screen.
SLEEP – This button enables the sleep function where the TV turns itself off after the designated time.
CC – This button turns on the closed captioning system of the television. Please Note : CC only works under the sources TV, AV1, and AV2.
ADD / DEL – This button adds or deletes the current channel from the channel list. When you use **CH+** or **CH-**, the deleted channel will be skipped over.
MTS – This button switches between the main audio and the (SAP) second audio programming.
SRS – This button enables the SRS surround sound making the TV speakers audio sound like they are surrounding you.
DNR – This button enables the digital noise reduction on the TV, making the picture look smoother.
CH Lock – This button locks the current channel you are on, so that kids cannot view the locked channel unless unlocked by a password. You'll also need to input a password when locking the channel.
0-9 – These buttons allow you to access the channels directly. When accessing a digital channel you would use these buttons in junction with the **(–)** button to switch channels.
(–) – This button allows you to access digital channels directly when used in junction with the number buttons **0-9**.
R – This button allows you to jump between your current channel and the last channel you were on.

MID SECTION

PICTURE – This button selects different optimized picture settings for the TV.
SOUND – This button selects different optimized sound settings for the TV.
VOL(+/-) – These two buttons increase or decrease the volume of the TV.
CH(+/-) – These two buttons change the TV channel up or down.
MUTE – This button stops the TV from producing any sound.
ASPECT – This button changes the TV between different display modes.
GUIDE – This button turns on the electronic program guide that is received from over the airwave antenna.
MENU – This button turns on the on screen display menu (OSD).
▲▼◄► – These buttons allow you to navigate inside the OSD menu. They also function as CH+/- for digital channels in the tuner.
↵ – This button allows you to select functions inside the OSD menu and also acts as the ENTER button for changing channels.
SOURCE – This button switches the input sources. Once pressed use the ▲▼◄► and ↵ key to select the source you want to switch to.
EXIT – This button allows you to quit from the OSD menu.

BOTTOM SECTION

AUDIO – This button switches the audio of the TV in between your picture in picture or picture on picture windows.
VIDEO – This button switches the video from the picture in picture window to the main screen, vice versa.
SIZE – This button changes the size of the picture in picture window.
POS – This button changes the position of the picture in picture window.
ON/OFF – This button turns on and off the picture in picture window and the picture on picture window.
SOURCE – This button changes the input source of the picture in picture window and the picture on picture window.
▼▲ – These button changes the channel up or down from your favorites channel list.
ADD / DEL – This button adds or deletes the current channel from the favorites channel list.
LED ON / OFF – This button turns the backlight for the number pad on or off.
INFO – This button shows you your current channel information, display input, and resolution.

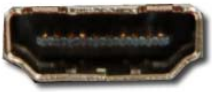
INSTALLING BATTERIES TO THE REMOTE

Please insert two AAA batteries into the remote control. Make sure that you match the (+) and (-) symbols on the batteries with the (+) and (-) symbols inside the battery compartment. Afterwards, re-attach the battery cover.

Please note:

- Only use AAA batteries.
- Do not mix new and old batteries. This may result in cracking or leakage that may pose a fire risk or lead to personal injury.
- Inserting the batteries incorrectly may also result in cracking or leakage that may pose a fire risk or lead to personal injury.
- Dispose the batteries in accordance with local laws and regulations.
- Keep the batteries away from children and pets.
- If the remote control is not used for a long time, remove the batteries.
- Keep the remote control away from moisture, sunlight, and high temperatures.

WHICH PORT SHOULD I USE ?

Port Quality & Name	Port Picture	Cable Used & Resolution	Devices that use this Port
Best HDMI 1, 2, 3 (Digital HD Capable)		HDMI 1080p, 1080i, 720p, 480p, 480i	Blu-ray DVD Player, HD-DVD Player, HD Cable or HD Satellite Set-top Box, HDCP devices, PC
Best/Fair ATSC/NTSC (Digital HD Capable)		Coaxial RF 1080i, 720p, 480p, 480i	Antenna or Digital Cable with out the cable box
Best VGA (HD Capable)		VGA 1920x1080 or lower	PC or MAC with VGA connection
Better COMPONENT 1 & 2 (HD Capable)		YPBPR 1080p, 1080i, 720p, 480p, 480i	DVD Player, Video Game Console, High Definition Cable or Satellite Set-top Box
Good AV 1, 2 (Non-HD)		S-Video 480i only	Non High Definition Cable or Satellite Set-top Box, S-Video VCR
Fair AV 1 & 2 (Non-HD)		Composite 480i only	Non High Definition Cable or Satellite Set-top Box, VCR, Old Game Console, Camcorder

WHAT PORT SHOULD I USE ? (CONTINUED)

Port Quality, Type & Name	Port Picture	Cable Used & Resolution	Devices that use this Port
Good VGA STEREO INPUT (Audio)		3.5mm mini-jack	HDCP devices, PC, MAC
Best SPDIF OUT (Digital Audio)		Optical SPDIF	Receiver with Digital Surround Sound Decoding
Not Available		Service Port	This port is for Sceptre technicians only.

KNOWING YOUR CABLES

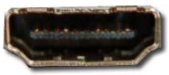
Cable Name	Cable Picture
HDMI	
Coaxial RF	
VGA	
YPBPR	
S-Video	

KNOWING YOUR CABLES (CONTINUED)

Cable Name	Cable Picture
Composite	
3.5 mm Mini-jack	
RCA Audio	
AC Power	
Optical SPDIF	

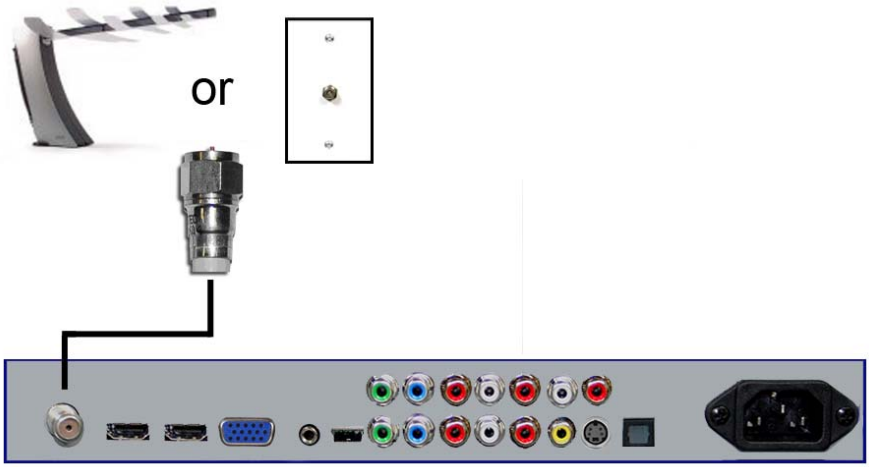
SWITCHING SOURCES FOR PORTS

The X46 offers multiple ways of connecting your devices to the TV; the chart below will help you understand which source you switch to for each of the ports.

Port Picture	Cable Used	Source Name to Switch to
	HDMI or HDMI-DVI	HDMI 1 or HDMI 2
	COAXIAL RF	TV (CABLE / AIR)
	VGA	VGA
	YPBPR	YPBPR 1 or YPBPR 2
	S-VIDEO	AV 1 (S-VIDEO) or AV 2 (S-VIDEO)
	COMPOSITE	AV 1 (CBVS) or AV 2 (CVBS)

CONNECTING YOUR ANTENNA / CABLE TO TV

IF YOU HAVE DIGITAL CABLE WITHOUT CABLE BOX OR ANTENNA...

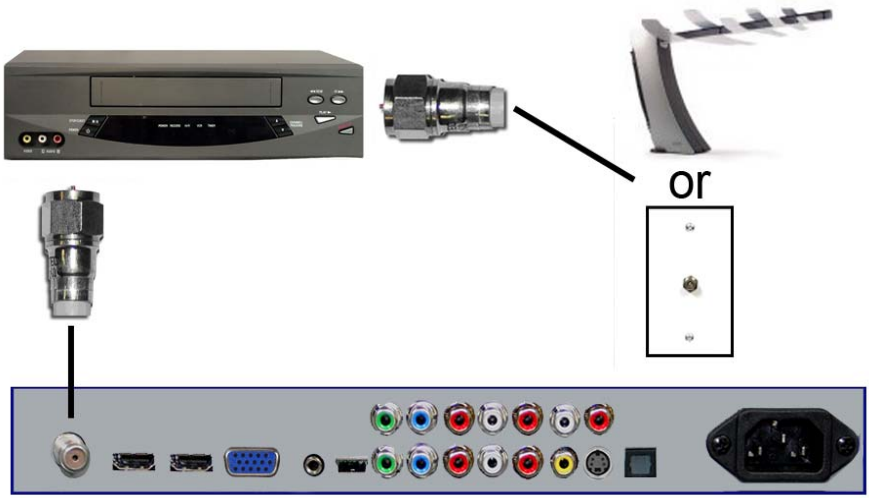


1. Make sure the power of X46 LCD HDTV is turned off.
2. Connect the Coaxial RF cable from your antenna or digital cable to the ATSC/NTSC port off the back of your X46 LCD HDTV.
3. Turn on X46 LCD HDTV.
4. Select TV (Air) for antenna or TV (Cable) for digital cable from either your remote control's source button or source button on the right side of the TV.
5. Use the On Screen Display to scan for channels.

Please Note :

- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The X46 LCD HDTV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your X46 LCD HDTV might lose picture or sound.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

IF YOU HAVE CABLE OR ANTENNA THROUGH VCR...

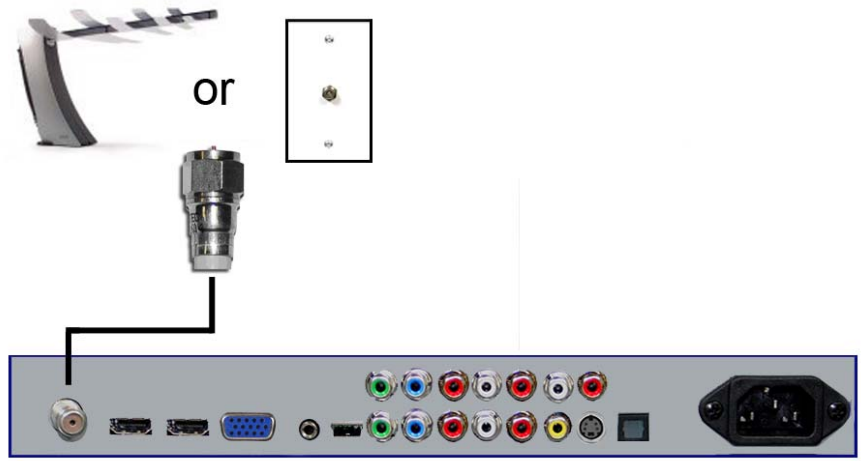


1. Make sure the power of X46 LCD HDTV is turned off.
2. Make sure there is an antenna or cable connection to the VCR already.
3. Use a Coaxial RF cable and connect from your VCR's Antenna Out or Output to TV to the ATSC/NTSC port off the back of your X46 LCD HDTV.
4. Turn on X46 LCD HDTV.
5. Select TV (Air) for antenna or TV (Cable) for digital cable from either your remote control's source button or source button on the right side of the TV.
6. Use the On Screen Display to scan for channels.

Please Note :

- Some VCRs require you to turn it on before its output will have a signal to the TV. Please consult your VCR manual for further reference.
- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The X46 LCD HDTV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your X46 LCD HDTV might lose picture or sound.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

IF YOU HAVE CABLE OR ANTENNA...



1. Make sure the power of X46 LCD HDTV is turned off.
2. Connect the Coaxial RF cable from your antenna or cable to the ATSC/NTSC port off the back of your X46 LCD HDTV.
3. Turn on the X46 LCD HDTV.
4. Select TV (Air) for antenna or TV (Cable) for cable from either your remote control's source button or source button on the right side of the TV.
5. Use the On Screen Display to scan for channels.

Please Note :

- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The X46 LCD HDTV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your X46 LCD HDTV might lose picture or sound.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

CONNECTING YOUR DVD PLAYER TO THE TV

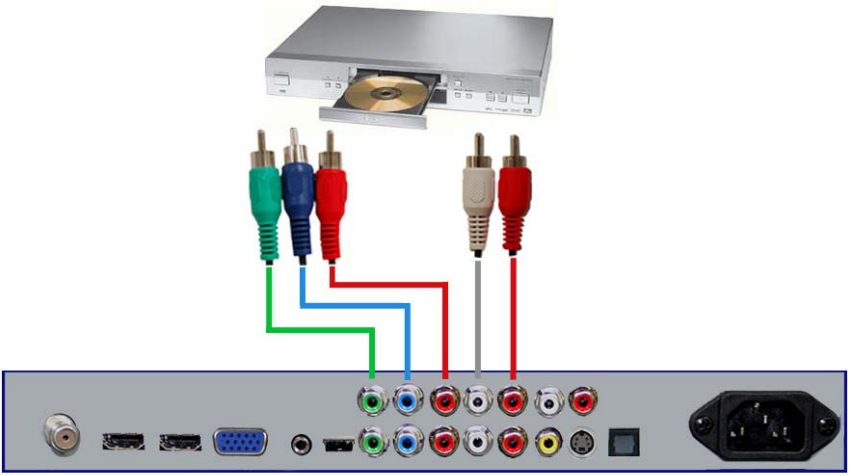
IF YOU WANT THE BEST CONNECTION WITH HDMI...

1. Make sure the power of X46 LCD HDTV and your DVD player is turned off.
2. Connect a HDMI cable to the HDMI port of your DVD player and the other end to the HDMI port off the back of your X46 LCD HDTV.
3. Turn on the X46 LCD HDTV and your DVD player.
4. Use the remote control's source button or the source button on the right side of the TV to switch to HDMI 1.

Please Note :

- Please reference the DVD player's manual as well, to make sure the DVD player is configured to output correctly to the TV.
- This TV does not decode Bitstream digital audio, therefore you'll need to make sure your DVD is setup for PCM digital audio through HDMI.
- If HDMI 1 is already occupied, please use HDMI 2 as your connection port and switch source to HDMI 2.
- You can also use HDMI 3 on the side of the TV as an alternative as well.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

IF YOU WANT THE BETTER CONNECTION WITH COMPONENT...



1. Make sure the power of X46 LCD HDTV and your DVD player is turned off.
2. Obtain a Component Cable. Connect the green color connector to both your DVD player and Component 1's green connector port off the back of your X46 LCD HDTV.
3. Connect the blue color connector to both your DVD player and Component 1's blue connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to both your DVD player and Component 1's red connector port off the back of your X46 LCD HDTV.
5. Obtain a RCA Audio Cable. Connect the white color connector to both your DVD player and Component 1's white connector port off the back of your X46 LCD HDTV to the right side of your green, blue, red component connection.
6. Connect the red color connector to both your DVD player and Component 1's red connector port off the back of your X46 LCD HDTV to the right side of your green, blue, red component connection.
7. Turn on the X46 LCD HDTV and your DVD player.
8. Use the remote control's source button or the source button on the right side of the TV to switch to YPbPr 1.

Please Note :

- If Component 1 is already occupied, please use Component 2 as your connection port and switch to source YPbPr 2.
- Please reference the DVD player's manual as well, to make sure the DVD player is configured to output correctly to the TV.
- This TV will turn off automatically if there's no signal present for more than 15 minutes

IF YOU WANT THE FAIR CONNECTION WITH S-VIDEO...

1. Make sure the power of X46 LCD HDTV and your DVD player is turned off.
2. Obtain an S-Video Cable. Connect the S-Video connector to both your DVD player and AV 1's S-Video connector port off the back of your X46 LCD HDTV.
3. Obtain a RCA Audio Cable. Connect the white color connector to both your DVD player and AV 1's white connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to both your DVD player and AV 1's red connector port off the back of your X46 LCD HDTV.
5. Turn on the X46 LCD HDTV and your DVD player.
6. Use the remote control's source button or the source button on the right side of the TV to switch to AV 1 (S-Video).

Please Note :

- If AV 1 is already occupied, please use AV 2 as your connection port and switch source to AV 2 (S-Video).
- AV 2 is located on the left side of the TV, while facing the front of the TV.
- Please reference the DVD player's manual as well, to make sure the DVD player is configured to output correctly to the TV.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

IF YOU WANT THE FAIR CONNECTION WITH COMPOSITE...

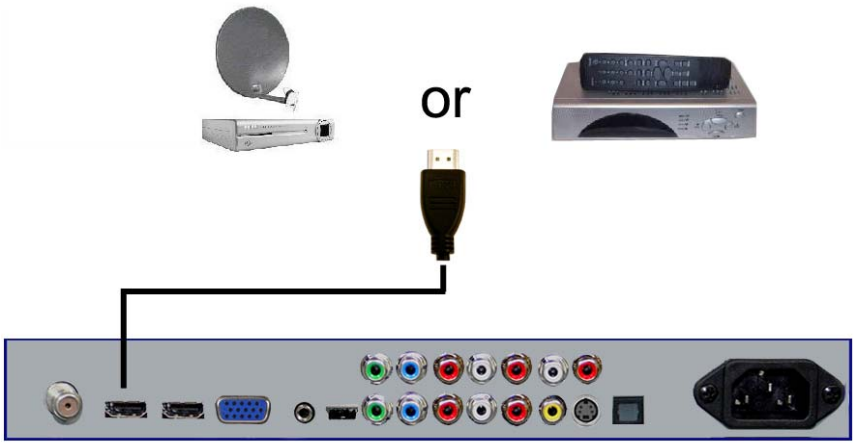
1. Make sure the power of X46 LCD HDTV and your DVD player is turned off.
2. Obtain a Yellow Video Cable. Connect the Yellow Video connector to both your DVD player and AV 1's Yellow Video connector port off the back of your X46 LCD HDTV.
3. Obtain a RCA Audio Cable. Connect the white color connector to both your DVD player and AV 1's white connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to both your DVD player and AV 1's red connector port off the back of your X46 LCD HDTV.
5. Turn on the X46 LCD HDTV and your DVD player.
6. Use the remote control's source button or the source button on the right side of the TV to switch to AV 1 (CVBS).

Please Note :

- If AV 1 is already occupied, please use AV 2 as your connection port and switch source to AV 2 (CVBS).
- AV 2 is located on the left side of the TV, while facing the front of the TV.
- Please reference the DVD player's manual as well, to make sure the DVD player is configured to output correctly to the TV.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

CONNECTING YOUR SATELLITE OR CABLE SET-TOP BOX TO THE TV

IF YOU WANT THE BEST CONNECTION WITH HDMI...

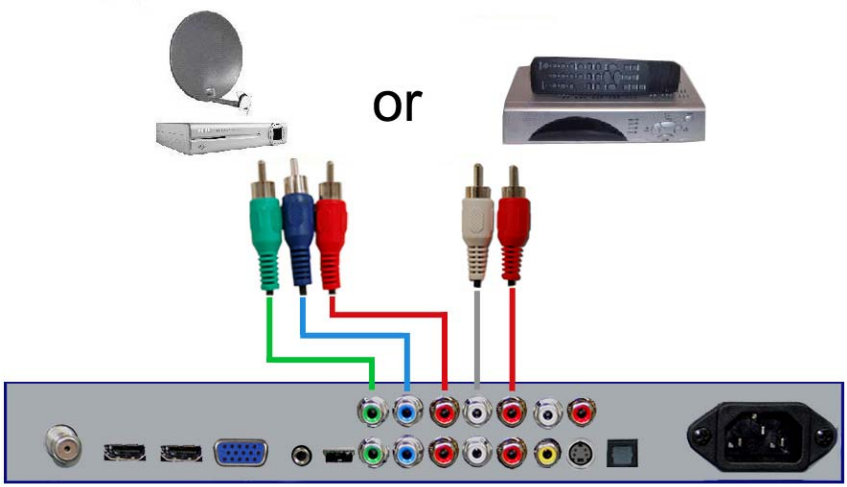


1. Make sure the power of X46 LCD HDTV and your set-top box is turned off.
2. Connect a HDMI cable to the HDMI output of your set-top box and the other end to the HDMI port off the back of your X46 LCD HDTV.
3. Turn on the X46 LCD HDTV and your set-top box.
4. Use the remote control's source button or the source button on the right side of the TV to switch to HDMI 1.

Please Note :

- Please reference the set-top box's manual, to make sure the set-top box is configured to output correctly to the TV.
- If HDMI 1 is already occupied, please use HDMI 2 as your connection port and switch source to HDMI 2.
- This TV does not decode Bitstream digital audio, therefore you'll need to make sure your DVD is setup for PCM digital audio through HDMI.
- You can also use HDMI 3 on the side of the TV as an alternative as well.
- **Sceptre's X46 LCD HDTV supports SONY's universal remote code. Please look up SONY's codes in your universal remote's hand book.**
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

IF YOU WANT THE BETTER CONNECTION WITH COMPONENT...

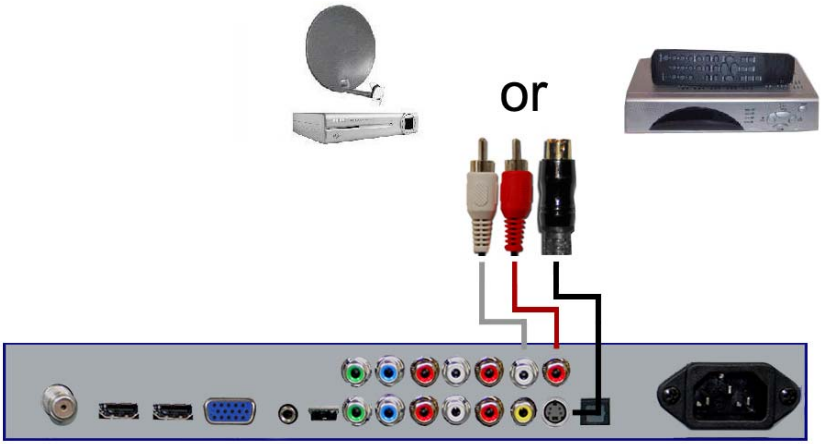


1. Make sure the power of X46 LCD HDTV and your set-top box is turned off.
2. Obtain a Component Cable. Connect the green color connector to both your set-top box and Component 1's green connector port off the back of your X46 LCD HDTV.
3. Connect the blue color connector to both your set-top box and Component 1's blue connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to both your set-top box and Component 1's red connector port off the back of your X46 LCD HDTV.
5. Obtain a RCA Audio Cable. Connect the white color connector to both your set-top box and Component 1's white connector port off the back of your X46 LCD HDTV to the right side of your green, blue, red component connection.
6. Connect the red color connector to both your set-top box and Component 1's red connector port off the back of your X46 LCD HDTV to the right side of your green, blue, red component connection.
7. Turn on the X46 LCD HDTV and your set-top box.
8. Use the remote control's source button or the source button on the right side of the TV to switch to YPbPr 1.

Please Note :

- If Component 1 is already occupied, please use Component 2 as your connection port and switch to source YPbPr 2.
- Please reference the set-top box's manual as well, to make sure the set-top box is configured to output correctly to the TV.
- **Sceptre's X46 LCD HDTV supports SONY's universal remote code. Please look up SONY's codes in your universal remote's hand book.**
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

IF YOU WANT THE FAIR CONNECTION WITH S-VIDEO...

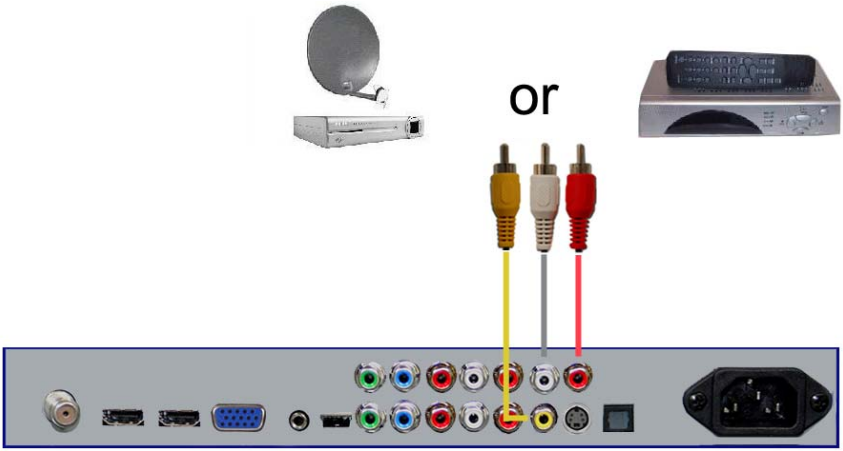


1. Make sure the power of X46 LCD HDTV and your set-top box is turned off.
2. Obtain an S-Video Cable. Connect the S-Video connector to both your set-top box and AV 1's S-Video connector port off the back of your X46 LCD HDTV.
3. Obtain a RCA Audio Cable. Connect the white color connector to both your set-top box and AV 1's white connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to both your set-top box and AV 1's red connector port off the back of your X46 LCD HDTV.
5. Turn on the X46 LCD HDTV and your set-top box.
6. Use the remote control's source button or the source button on the right side of the TV to switch to AV 1 (S-Video).

Please Note :

- If AV 1 is already occupied, please use AV 2 as your connection port and switch source to AV 2 (S-Video).
- Please reference the set-top box's manual as well, to make sure the set-top box is configured to output correctly to the TV.
- AV 2 is located on the left side of the TV, while facing the front of the TV.
- **Sceptre's X46 LCD HDTV supports SONY's universal remote code. Please look up SONY's codes in your universal remote's hand book.**
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

IF YOU WANT THE FAIR CONNECTION WITH COMPOSITE...



1. Make sure the power of X46 LCD HDTV and your set-top box is turned off.
2. Obtain a Yellow Video Cable. Connect the Yellow Video connector to both your set-top box and AV 1's Yellow Video connector port off the back of your X46 LCD HDTV.
3. Obtain a RCA Audio Cable. Connect the white color connector to both your set-top box and AV 1's white connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to both your set-top box and AV 1's red connector port off the back of your X46 LCD HDTV.
5. Turn on the X46 LCD HDTV and your set-top box.
6. Use the remote control's source button or the source button on the right side of the TV to switch to AV 1 (CVBS).

Please Note :

- If AV 1 is already occupied, please use AV 2 as your connection port and switch source to AV 2 (CVBS).
- Please reference the set-top box's manual as well, to make sure the set-top box is configured to output correctly to the TV.
- AV 2 is located on the left side of the TV, while facing the front of the TV.
- **Sceptre's X46 LCD HDTV supports SONY's universal remote code. Please look up SONY's codes in your universal remote's hand book.**
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

CONNECTING AN EXTERNAL SURROUND SOUND RECEIVER

IF YOU WANT THE BEST CONNECTION WITH OPTICAL SPDIF (DIGITAL)...

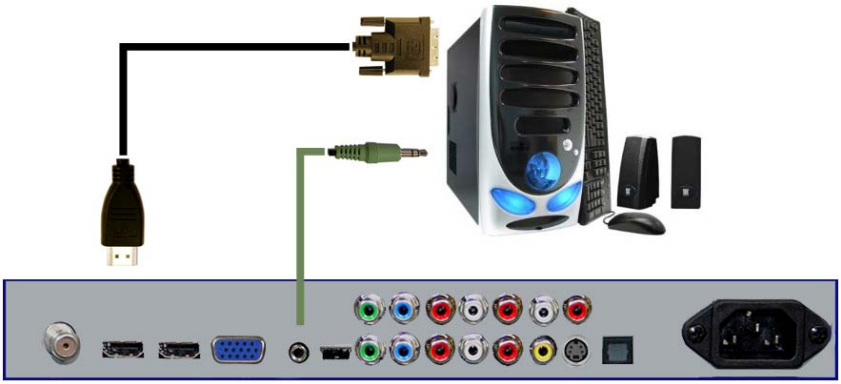
1. Make sure the power of X46 LCD HDTV and your receiver is turned off.
2. Obtain an Optical SPDIF cable, connect it to your receiver's optical SPDIF digital input and the Optical SPDIF connection on the SPDIF Out port off the back of the X46 LCD HDTV.
3. Turn on the X46 LCD HDTV and your receiver.

Please Note :

- If you want pure digital stream for your receiver to decode, you must also configure the TV's OSD Sound->Digital Audio Out function. Make sure the option is on Bit Stream.
- If your receiver is making static noises when receiving Bit Stream, you must use the PCM option instead.
- Please reference the receiver's manual as well, to make sure the receiver is configured to receive signals correctly from the TV.

CONNECTING A PC

IF YOU WANT THE BEST CONNECTION WITH DVI (DIGITAL)...

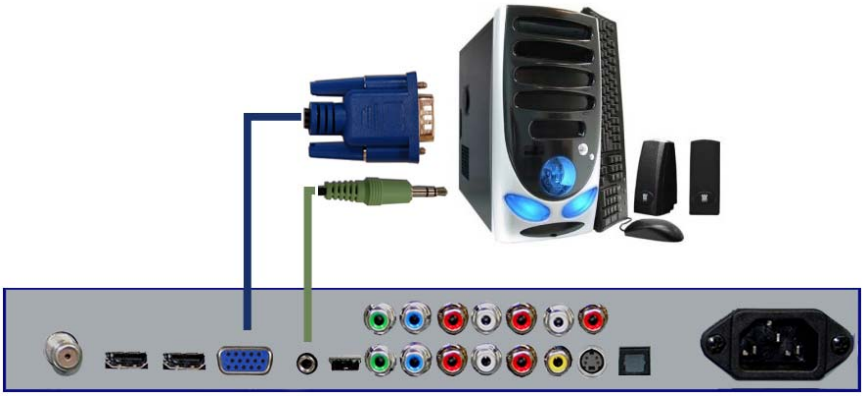


1. Make sure the power of X46 LCD HDTV and your PC is turned off.
2. Obtain a HDMI to DVI conversion cable; connect to the DVI side of the conversion cable to the DVI output of your PC and the HDMI side of the conversion cable to the HDMI port off the back of your X46 LCD HDTV.
3. Obtain a 3.5 mm Mini-jack, connect to the audio out of your PC and the other end to the VGA Stereo Input port.
4. Turn on the power of the X46 LCD HDTV and your PC.
5. Use the remote control's source button or the source button on the right side of the TV to switch to HDMI.

Please Note :

- For the best picture, please set your PC resolution to 1920x1080 at 60 Hz. Please refer to the PC or graphic card's manual for further instructions on how to set your resolution and refresh rate.
- Please refer to your PC manual for video output requirements of the video card.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.
- If HDMI 1 is already occupied, please use HDMI 2 as your connection port and switch source to HDMI 2.
- You can also use HDMI 3 on the side of the TV as an alternative as well.

IF YOU WANT THE GOOD CONNECTION WITH VGA (ANALOG)...



1. Make sure the power of X46 LCD HDTV and your PC is turned off.
2. Obtain a 15-pin D-Sub VGA cable, connect to the VGA output of your PC and the other end to the VGA port off the back of your X46 LCD HDTV.
3. Obtain a 3.5 mm Mini-jack, connect to the audio out of your PC and the other end to the VGA Stereo Input port.
4. Turn on the power of the X46 LCD HDTV and your PC.
5. Use the remote control's source button or the source button on the right side of the TV to switch to VGA.

Please Note :

- For the best picture, please set your PC resolution to 1920x1080 at 60 Hz. Please refer to the PC or graphic card's manual for further instructions on how to set your resolution and refresh rate.
- Please refer to your PC manual for video output requirements of the video card.
- The VGA port of the TV features a power saving mode which will automatically turn off the TV, if there's no signal provided for more than 15 minutes.

CONNECTING GAME CONSOLES TO THE TV

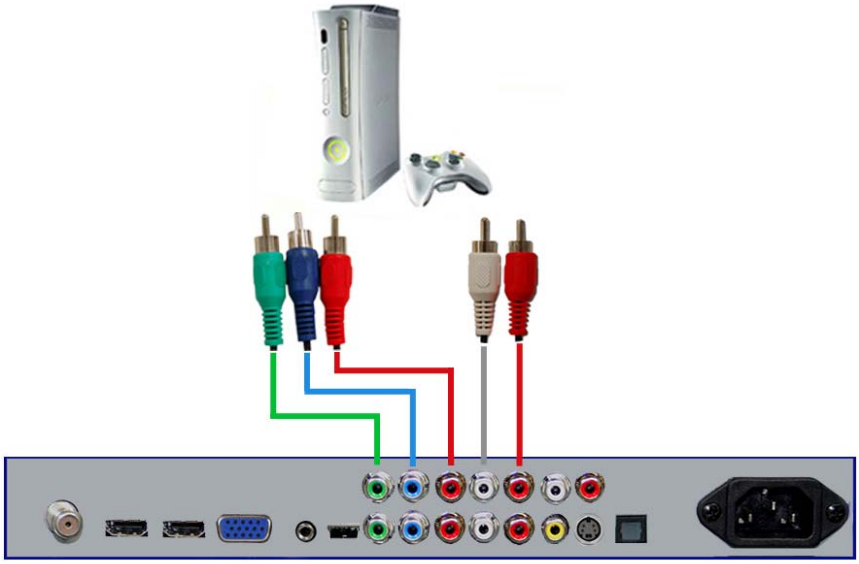
FOR YOUR PLAYSTATION®3...

1. Make sure the power of X46 LCD HDTV and your Playstation 3 is turned off.
2. Connect a HDMI cable to the HDMI output of your Playstation 3 and the other end to the HDMI port off the back of your X46 LCD HDTV.
3. Turn on the X46 LCD HDTV and Playstation 3.
4. Use the remote control's source button or the source button on the right side of the TV to switch to HDMI 1.

Please Note :

- Please reference the Playstation 3's manual, to make sure the PS3 is configured to output correctly to the TV. PS3 by default outputs to composite only. With newer firmwares PS3's HDMI should also output a signal. Please call up PS3's tech support for further troubleshooting.
- This TV does not decode Bitstream digital audio, therefore you'll need to make sure your DVD is setup for PCM digital audio through HDMI.
- If HDMI 1 is already occupied, please use HDMI 2 as your connection port and switch source to HDMI 2.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

FOR YOUR XBOX 360™...

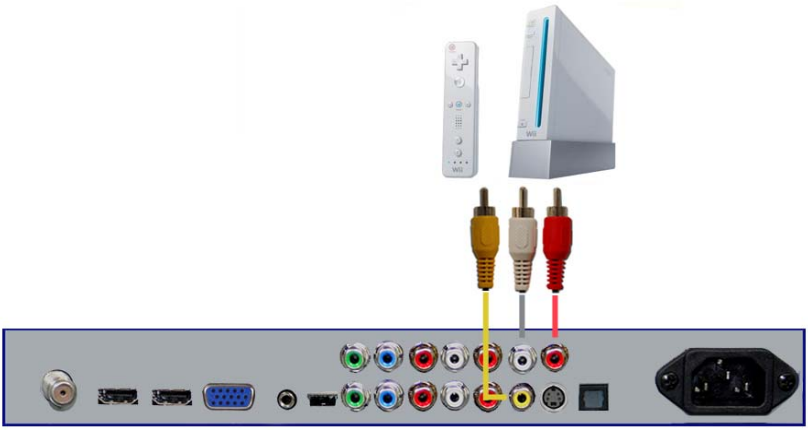


1. Make sure the power of X46 LCD HDTV and your Xbox 360 is turned off.
2. Obtain the Xbox360 Component Cable. Connect the green color connector to Component 1's green connector port off the back of your X46 LCD HDTV.
3. Connect the blue color connector to Component 1's blue connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to Component 1's red connector port off the back of your X46 LCD HDTV.
5. Connect the white color connector Component 1's white connector port off the back of your X46 LCD HDTV to the right side of your green, blue, red component connection.
6. Connect the red color connector to Component 1's red connector port off the back of your X46 LCD HDTV to the right side of your green, blue, red component connection.
7. Connect the gray head to your Xbox 360 and make sure the switch on the head is switched to HD.
8. Turn on the X46 LCD HDTV and your Xbox 360.
9. Use the remote control's source button or the source button on the right side of the TV to switch to YPbPr 1.

Please Note :

- Make sure to not confuse the red connector for video with the red connector for audio, they are on separate rows on the Xbox 360's connector.
- If Component 1 is already occupied, please use Component 2 as your connection port and switch to source YPbPr 2.
- Please reference the Xbox 360's manual as well, to make sure the Xbox 360 is configured to output correctly to the TV.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

FOR YOUR WII™ ...



1. Make sure the power of X46 LCD HDTV and your Wii player is turned off.
2. Obtain a Yellow Video Cable. Connect the Yellow Video connector to both your Wii and AV 1's Yellow Video connector port off the back of your X46 LCD HDTV.
3. Obtain a RCA Audio Cable. Connect the white color connector to both your Wii and AV 1's white connector port off the back of your X46 LCD HDTV.
4. Connect the red color connector to both your Wii and AV 1's red connector port off the back of your X46 LCD HDTV.
5. Turn on the X46 LCD HDTV and your Wii.
6. Use the remote control's source button or the source button on the right side of the TV to switch to AV 1 (CVBS).

Please Note :

- If AV 1 is already occupied, please use AV 2 as your connection port and switch source to AV 2 (CVBS).
- AV 2 is located on the left side of the TV, while facing the front of the TV.
- Please reference the Wii's manual as well, to make sure the Wii is configured to output correctly to the TV.
- This TV will turn off automatically if there's no signal present for more than 15 minutes.

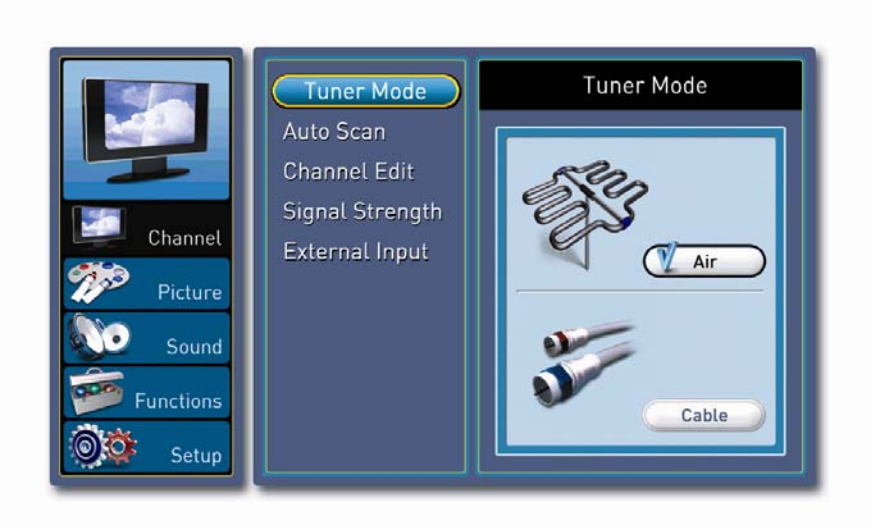
READY TO WATCH SOME TV?

STARTING UP THE X46 LCD HDTV

1. Make sure your power cable is connected and the standby red light in the front of the TV is lit up.
2. Check all your connection cables off the side or the back of your TV and also your AV devices. Make sure they are all connected securely.
3. Turn on your TV and other AV devices if necessary. **Because of the size of the panel, the X46 LCD TV will take 10 – 12 seconds to power on.**
4. Select the correct source according to the Connecting pages.

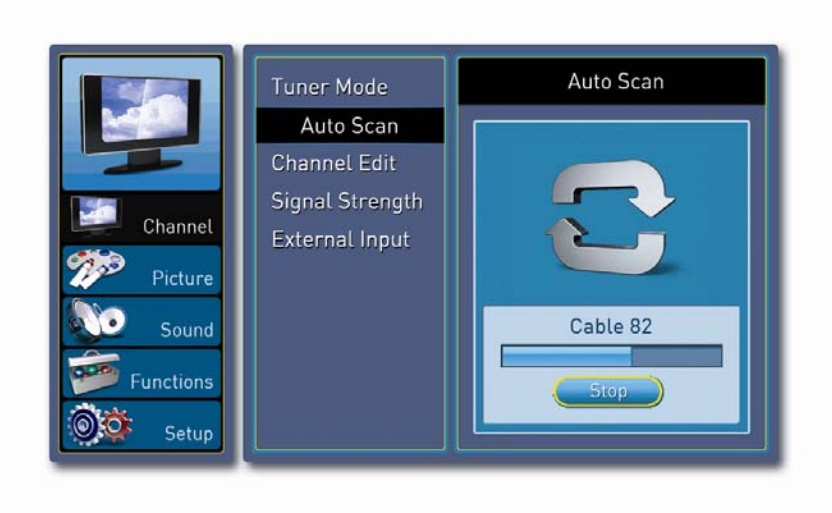
IF YOU'VE CONNECTED ANTENNA OR CABLE TO THE TV...

If an antenna or cable is connected to your TV's ATSC/NTSC port, you will need to use the source button on the remote control or the source button on the right side of the TV to switch to TV (Cable / Air) and auto-scan for channels.



1. Open up the OSD by pressing the MENU button on the remote control.
2. Make sure CHANNEL main option is highlighted in yellow; if not please use the ▲ or ▼ buttons to select CHANNEL then press the ► direction button to switch to TUNER MODE function.

3. Press the ↵ button to go into TUNER MODE function.
4. Press the ▲ or ▼ buttons to select the options AIR or CABLE.
5. If you have an antenna connected to the X46 LCD HDTV, please select AIR as your option by pressing the ↵ button.
6. If you have cable connected to your X46 LCD HDTV, please select CABLE as your option by pressing the ↵ button.
7. Once you have made the selection, the OSD will return you back to CHANNEL main options. Press the ▼ button to highlight the AUTO SCAN function and press ↵ twice to start scanning for channels.
8. Once the scanning is done, you can watch the TV.



Please Note :

- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The X46 LCD HDTV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your X46 LCD HDTV might lose picture or sound.

OSD (On Screen Display) Controls

Via Remote Control

In order to adjust most of the options inside the On Screen Display (OSD), the picture below shows all the buttons used on the remote control.

▲ – This button functions as up direction in the OSD.

▼ – This button functions as down direction in the OSD.

◄ – This button functions as left direction in the OSD.

► – This button functions as right direction in the OSD.

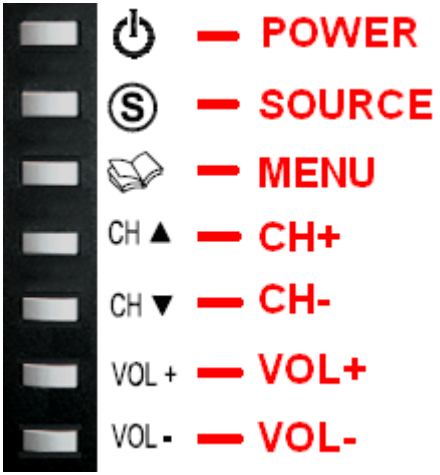
↵ – This button changes the channel in conjunction with the number pad and also functions as enter for selecting options in the OSD.

MENU – This button opens the OSD and also exits the OSD by going to the previous level of the OSD.

EXIT – This button exits the OSD entirely.

VIA TV SIDE PANEL BUTTONS

In order to provide more than one type of OSD control buttons, the side panel's buttons have also been made functional for adjusting the OSD.



MENU – This button opens the OSD.

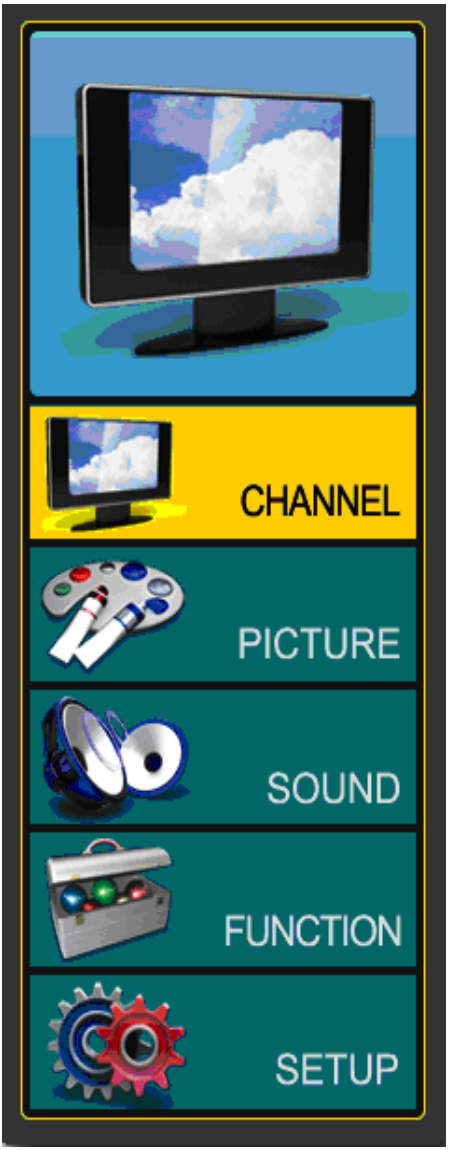
CH(▲) – This button changes the channel to a higher number and also functions as up direction in the OSD.

CH(▼) – This button changes the channel to a lower number and also functions as down direction in the OSD.

VOL(+) – This button decreases the volume and functions as left direction in the OSD.

VOL(-) – This button decreases the volume and functions as right direction in the OSD.

OSD (ON SCREEN DISPLAY) OPTIONS



CHANNEL – This main option has functions for the ATSC/NTSC port, such as scanning channels, editing channels, checking signal strength….etc.

PICTURE – This main option has functions for changing the picture settings for all ports, such as tint, contrast, sharpness, and dynamic noise reduction.

SOUND – This main option has functions for changing sound settings for all ports, such as digital audio out, treble, bass….etc.

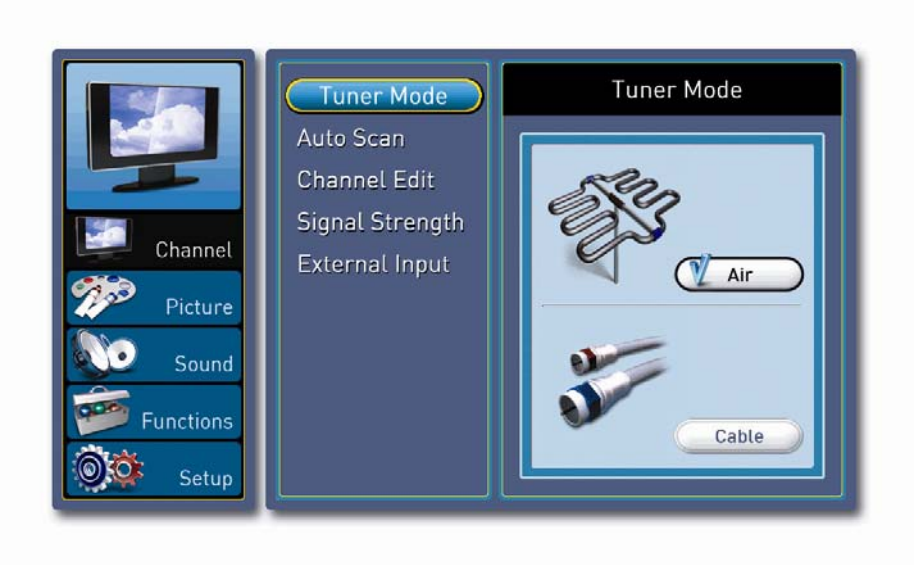
FUNCTION – This main option has functions for only composite and ATSC/NTSC port. Some of the functions are closed captioning and channel blocking for parents.

SETUP – This main option has functions for all ports, such as power on / off time, sleep, menu language, menu opacity, emergency alert for emergency broadcasting system.

CHANNEL MAIN OPTION

This option chooses various antenna and cable functions. Extra functions include signal strength for digital signals and changing input via External Input function.

TUNER MODE – This function allows users to choose what connection the TV is accepting.

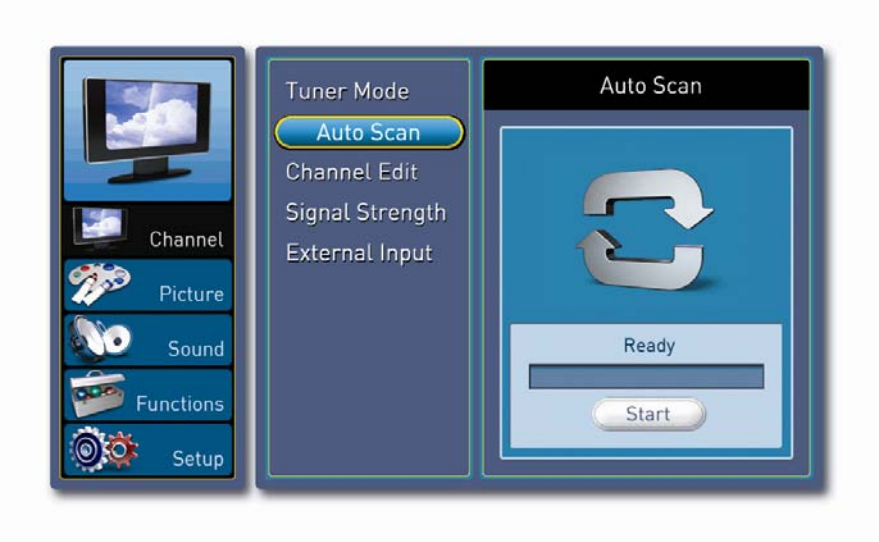


1. Press MENU to open the OSD and highlight CHANNEL.
2. Press ↵ or ► to move to the functions and highlight TUNER MODE.
3. Once in TUNER MODE, press ► again to select either AIR or CABLE.
4. Use ▲ or ▼ to select which connection you have then press ↵ to finalize the selection.

Please Note :

- If you are choosing cable, the default scanning mode is AUTO. Unless you know what cable system your cable company uses, please leave the tuner mode at AUTO.

AUTO SCAN – This function scans all the channels available from the ATSC/NTSC port.

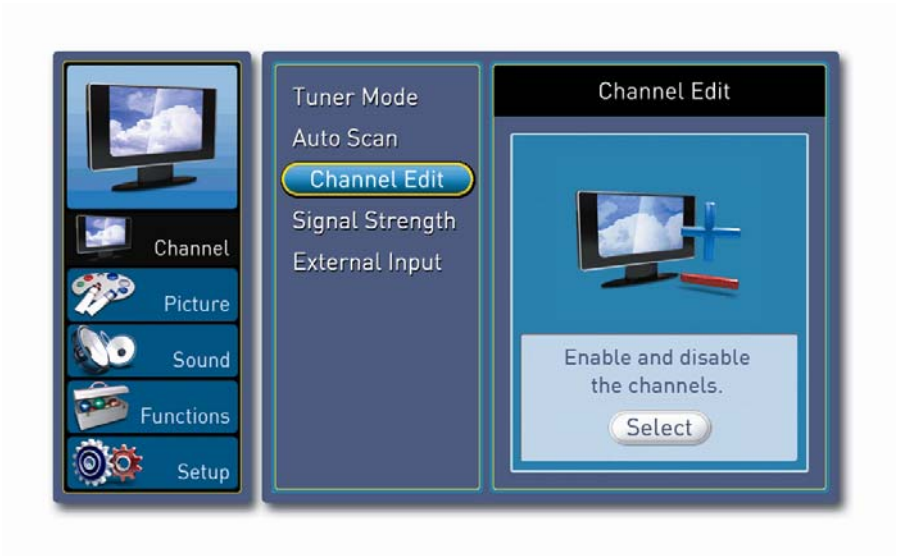


1. Press MENU to open the OSD and highlight CHANNEL.
2. Press ↵ or ► to move to the functions and highlight TUNER MODE.
3. Once in TUNER MODE, press ▼ to select AUTO SCAN.
4. Press ↵ twice to enter and begin scanning for channels.

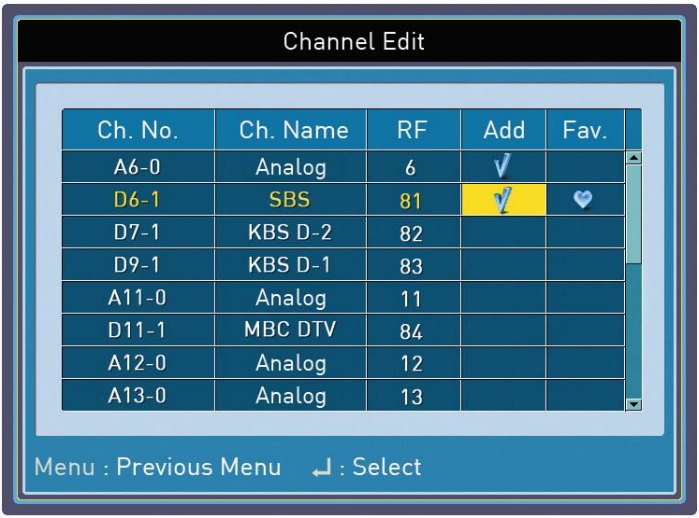
Please Note :

- Not all broadcasts are in High Definition (HD). Please refer to your local broadcasting stations for more information.
- The X46 LCD HDTV's tuner is designed for HDTV therefore requires a stronger signal than normal TVs. If you cannot achieve that signal level with your antenna or cable, your X46 LCD HDTV might lose picture or sound.

CHANNEL EDIT – This function allows users to add, delete, or add to favorites, the TV's scanned in channels.

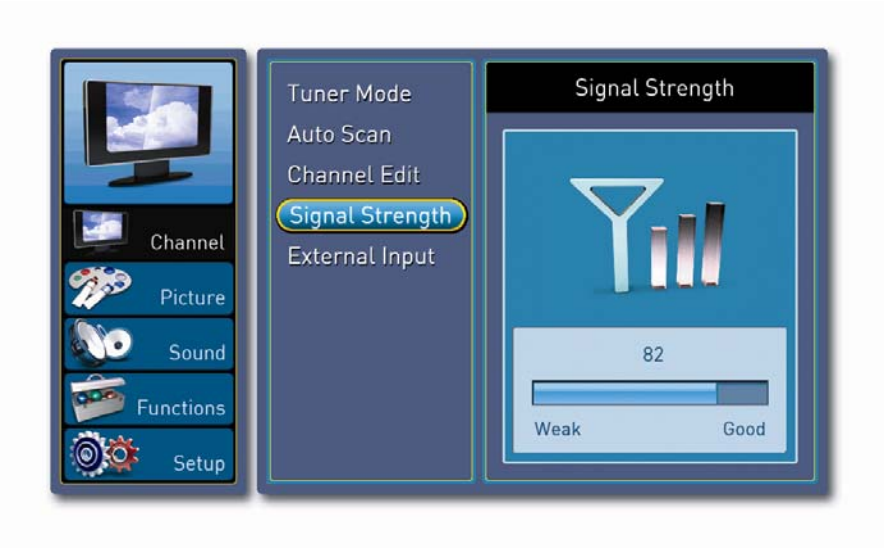


1. Press MENU to open the OSD and highlight CHANNEL.
2. Press ↵ or ► to move to the functions and highlight TUNER MODE.
3. Once in TUNER MODE, press ▼ repeatedly to select CHANNEL EDIT.
4. Press ↵ twice to enter start editing the scanned in channels.



5. You will be able to edit the channels by either deleting the channel or adding the channel to the favorites list.
    a. You can delete the channel by removing the ✓ from the ADD column.
        i. Match the channel you want to remove with the ▲▼◄► buttons in the ADD column then press ↵. If you do this, you will not be able to browse that channel until you go back into channel edit and add the ✓ back.
        ii. Press the MENU button to save and exit.
    b. You can add the channel to your favorite list by adding a ♥ in the FAV. column.
        i. Match the channel you want to add to favorites with the ▲▼◄► buttons in the FAV. column then press ↵. If you do this, the channel will be part of the sequential cycling list of the FAVORITE ▲▼ button on the remote control. You can go back into channel edit and remove the ♥ to remove the channel from your favorite list.
        ii. Press the MENU button to save and exit.

SIGNAL STRENGTH – This function allows users to view their digital channel's signal strength.

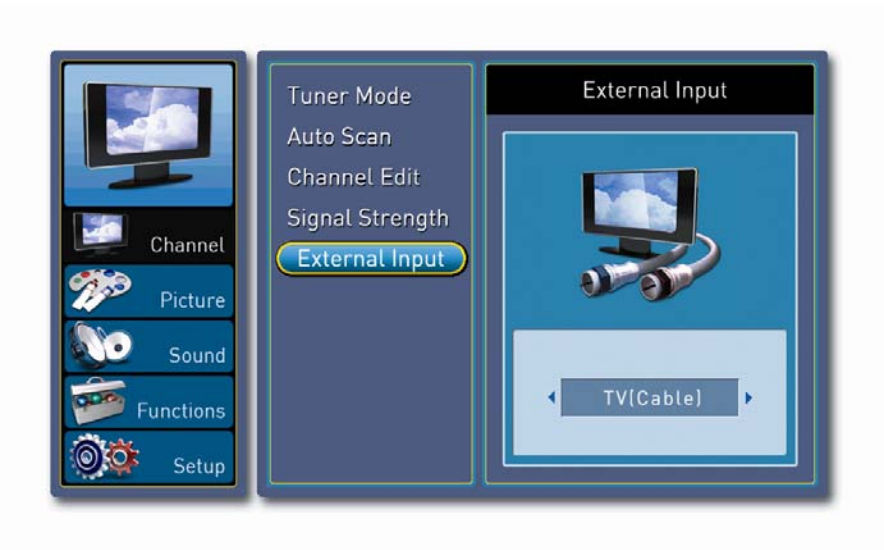


1. Press MENU to open the OSD and highlight CHANNEL.
2. Press ↵ or ► to move to the functions and highlight TUNER MODE.
3. Once in TUNER MODE, press ▼ repeatedly to select SIGNAL STRENGTH.

Please Note :

- This function is only available if you are on a digital channel. This function will not work under analog channels.
- When using this function, the OSD menu will not auto exit.

EXTERNAL INPUT – This function allows users to change the current source to another.

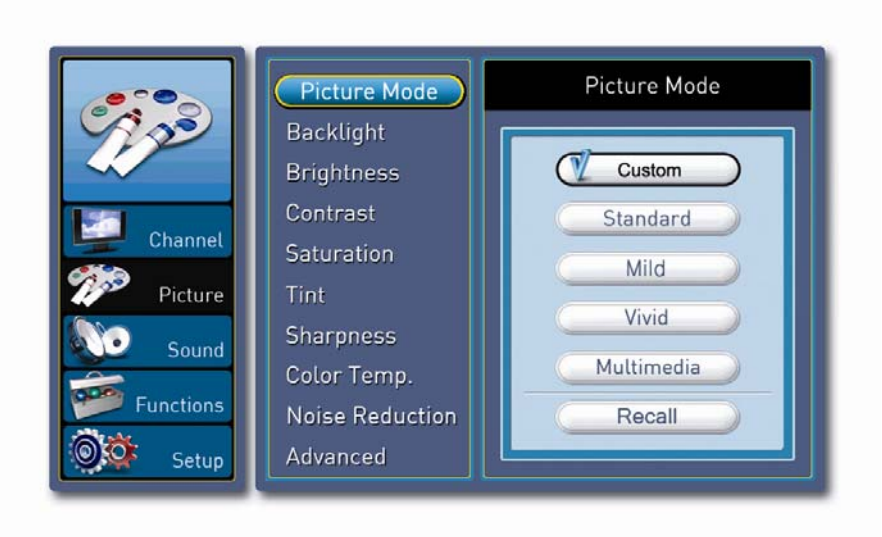


1. Press MENU to open the OSD and highlight CHANNEL.
2. Press ↵ or ► to move to the functions and highlight TUNER MODE.
3. Once in TUNER MODE, press ▼ repeatedly to select EXTERNAL INPUT.
4. Press ↵ to select the function and use ◄ or ► to change the source of your choice and press ↵ to finalize your selection.

PICTURE MAIN OPTION

This option allows users to adjust the TV's picture sharpness, color, tint, and other various functions.

PICTURE MODE – This function allows you to select the various picture modes of the TV from custom, standard, mild, to vivid.

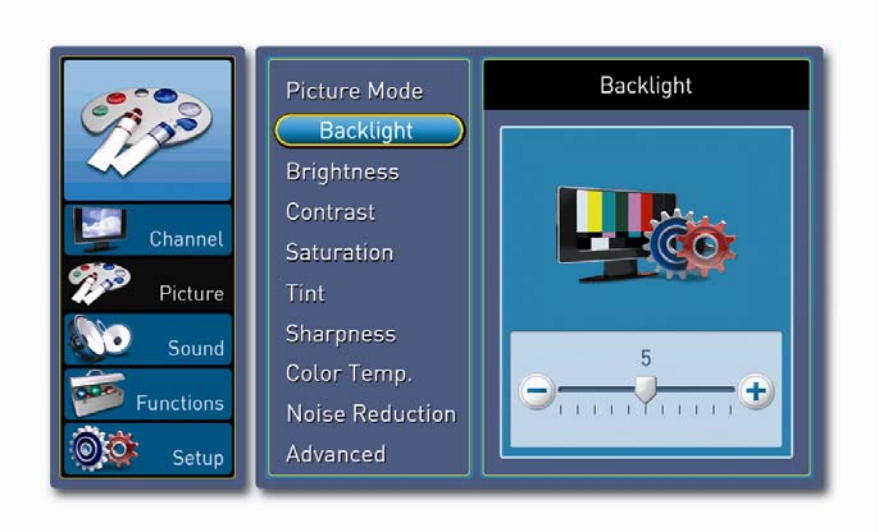


1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ↵ or ► to select PICTURE MODE function.
4. Use ▲ or ▼ to select which picture mode you want.
5. Press ↵ to confirm your selection.

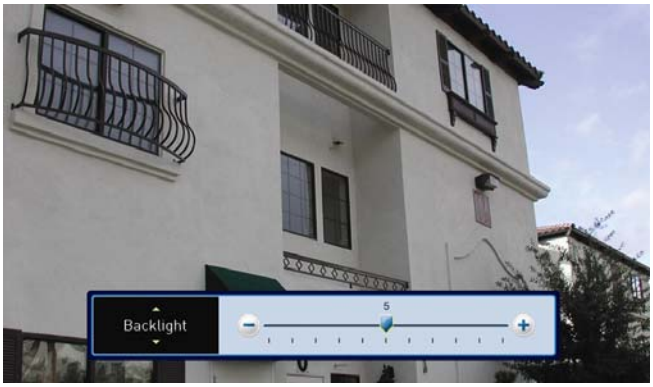
Please Note :

- CUSTOM allows you to adjust all the settings to your personal preference.
- STANDARD is for watching regular TV.
- MILD is for watching movies.
- VIVID is for watching sports and HDTV programming.
- MULTIMEDIA is for playing games on game console machines.
- RECALL is not a picture mode but a function to restore any changes under CUSTOM picture mode back to its original factory settings.

BACKLIGHT – This function adjusts the LCD lamp's current. The current affects the brilliance of the picture.



1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select BACKLIGHT CONTROL function and press ↵.
4. Use ◄ or ► to adjust the backlight level.

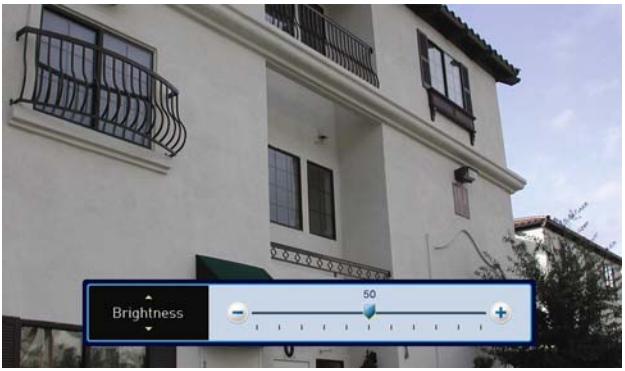


Please Note :

- The backlight level does not affect the brightness or the contrast of the picture. It just affects the brilliance of the picture.
- This function can be reset back to the default via the RECALL subfunction under PICTURE MODE.

BRIGHTNESS – This function adjusts the black level in a picture.

1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ to select BRIGHTNESS function and press ↵.
4. Use ◄ or ► to adjust the brightness level.

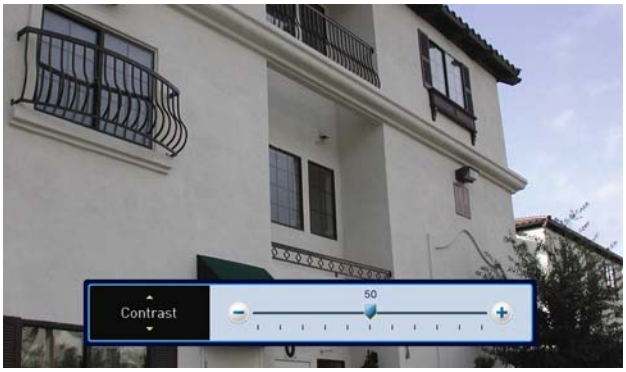


Please Note :

- This function can be reset back to default via the RECALL subfunction under PICTURE MODE.
- If the brightness is too high, the picture will look washed out, if the brightness is too low the picture will not have much detail in dark spots of the picture.

CONTRAST – This function adjusts the white levels in a picture.

1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select CONTRAST function and press ↵.
4. Use ◄ or ► to adjust the contrast level.

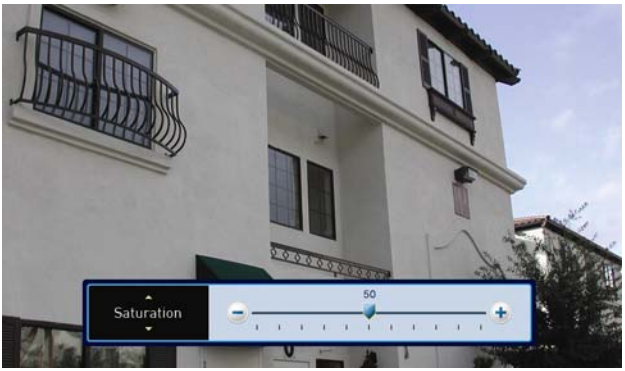


Please Note :

- This function can be reset back to default via the RECALL subfunction under PICTURE MODE.
- If the contrast is too high, the picture will not have any details in bright parts of the picture. If the contrast is too low, the picture will look washed out.

SATURATION – This function adjusts how strong your picture's colors are going to be.

1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select SATURATION function and press ↵.
4. Use ◄ or ► to adjust the saturation level.

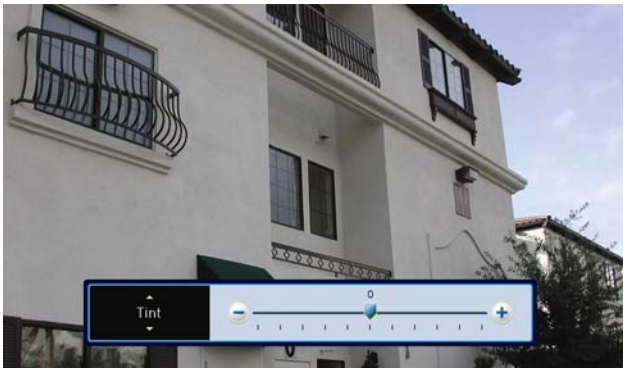


Please Note :

- This function can be reset back to default via the RECALL subfunction under PICTURE MODE.

TINT – This function adjusts your picture's overall color with everything looking green on one end and everything looking red on the other.

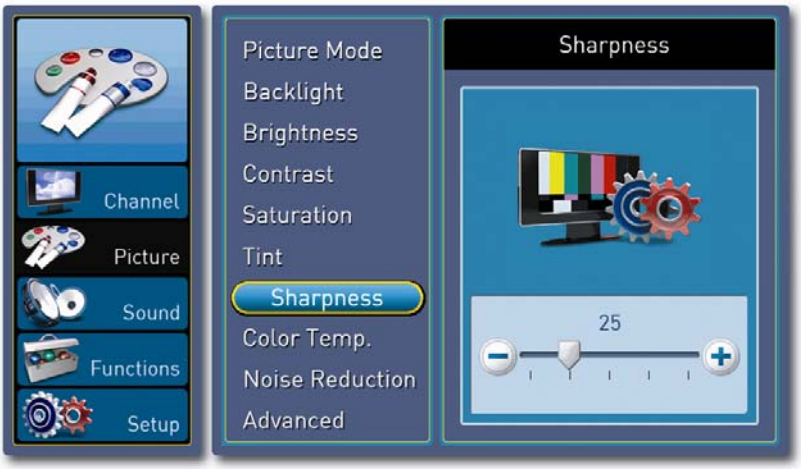
1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select TINT function and press ↵.
4. Use ◄ or ► to adjust the tint level.



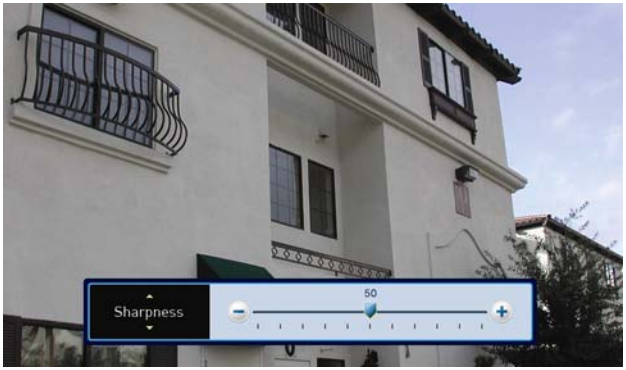
Please Note :

- This function can be reset back to the default via the RECALL subfunction under PICTURE MODE.

SHARPNESS – This function adjusts how sharp objects in your pictures are.



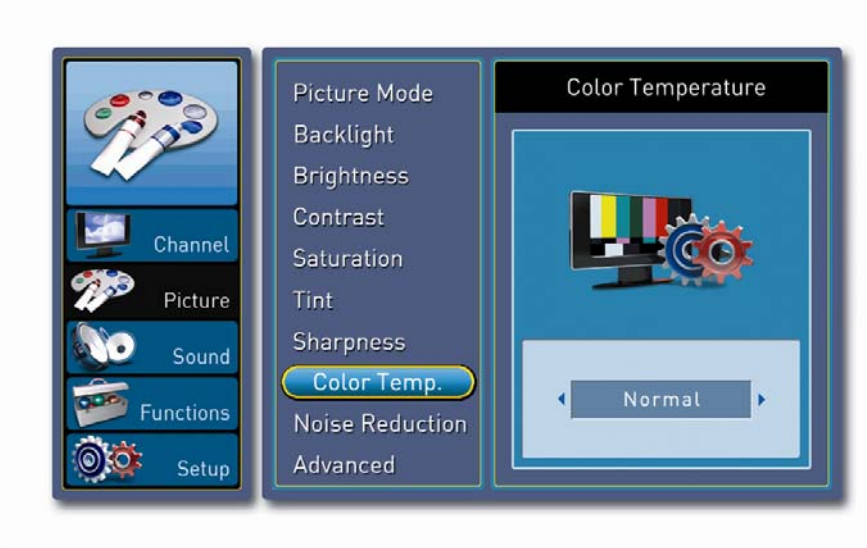
1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select SHARPNESS function and press ↵.
4. Use ◄ or ► to adjust the sharpness level.



Please Note :

- This function can be reset back to the default via the RECALL subfunction under PICTURE MODE.
- If the sharpness is adjusted too high, the picture will look overly pixilated. If the sharpness is adjusted too low, the picture will look blurry.

COLOR TEMP. – This function adjusts the white color's overall balance of white colors in a picture. The function changes the white color's overall balance in large increments.

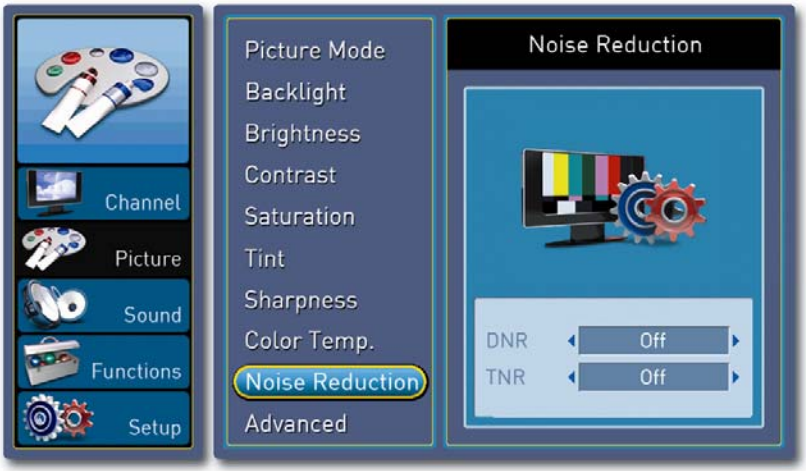


1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select COLOR TEMP. function and press ↵.
4. Use ◄ or ► to adjust the color temperature level.
5. Press ↵ to finalize your selection.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under PICTURE MODE.
- COOL – This option will produce a picture with overall bluish color.
- NORMAL – This option will produce a picture with normal white color.
- WARM – This option will produce a picture with overall reddish color.

NOISE REDUCTION – This function reduces the amount of pixilation on the TV so the video will look smooth and natural. This function has 2 subfunctions, digital noise reduction and temporal noise reduction.



1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select NOISE REDUCTION function and press ↵.
4. Use ◄ or ► to turn the DNR (digital noise reduction) on or off.
    - Digital Noise Reduction blends adjacent pixels together so that pictures do not look blocky, but because of the blurring the picture would lose some detail.
5. Press ▼ then use ◄ or ► to turn TNR (temporal noise reduction) on or off.
    - Temporal Noise Reduction blends adjacent pixels together so that pictures do not look blocky, this type of filter is best for action pictures such as sporting events or action movies.
6. Press ↵ to finalize your selection.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under PICTURE MODE.

Advanced – This function offers advanced options that enhance the TV's performance and clarity.

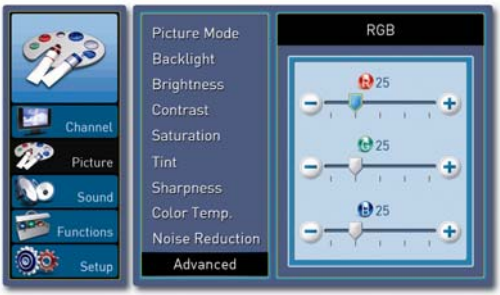
1. Press MENU to open the OSD and highlight PICTURE by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight PICTURE MODE.
3. Press ▼ repeatedly to select ADVANCED and press ↵.
4. Use ▲, ▼, ◄ or ► to modify each option.

- Adaptive Contrast – This type of contrast enhances dark colors in bright pictures and enhances bright colors in dark pictures therefore making details in both bright and dark pictures more vivid and detailed.

- Flesh Tone Adjustment – This subfunction strengthens the human flesh colors in a picture.

- Blue Stretch – This subfunction strengthens the blue colors in a picture.

- RGB – This subfunction adjusts the white color's overall balance of white colors in a picture. Each color, red, green, and blue will fine tune the overall white color's balance in small increments.



5. Press ↵ to finalize your selection.

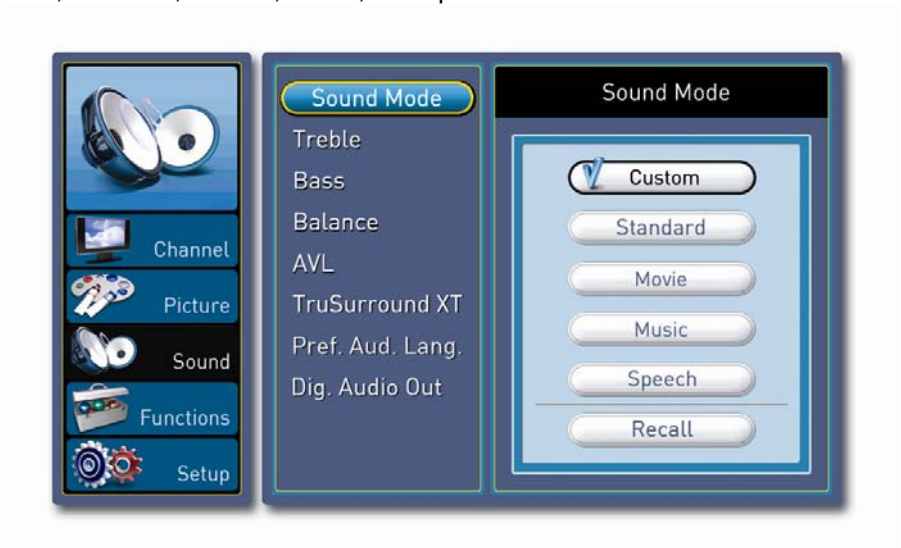
Please Note :

- This function can be reset back to the default via the RECALL subfunction under PICTURE MODE.

SOUND MAIN OPTION

This option allows users to adjust the TV's sound functions, including sound mode, auto volume level, digital audio out...etc.

SOUND MODE – This function allows you to select various sound modes among custom, standard, movies, music, and speech.



1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ↵ or ► to select SOUND MODE function.
4. Use ▲ or ▼ to select which sound mode you want.
5. Press ↵ to confirm you selection.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under SOUND MODE.
- CUSTOM allows you to adjust the sound levels to your personal preference.
- STANDARD is for normal TV programs.
- MOVIES – is for watching movies.
- MUSIC – is for watching MTVs and concerts.
- SPEECH – is for watching news.
- RECALL – is not a sound mode but a function to reset CUSTOM sound mode back to its default settings.

TREBLE – This function adjusts the level of high pitch sound in a TV.

1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ▼ repeatedly to select TREBLE.
4. Press ↵ or ► to select the function.
5. Use ◄ or ► to adjust the level.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under SOUND MODE.

BASS – This function adjusts the level of low pitch sound in a TV.

1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ▼ repeatedly to select BASS.
4. Press ↵ or ► to select the function.
5. Use ◄ or ► to adjust the level.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under SOUND MODE.

BALANCE – This function adjusts the balance of sound from left to right.

1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ▼ repeatedly to select BALANCE.
4. Press ↵ or ► to select the function.
5. Use ◄ or ► to adjust the level.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under SOUND MODE.

AVL (Auto Volume Level) – This function will enable an automatic balancing of sound when certain channels suddenly become over bearing.

1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ▼ repeatedly to select AVL.
4. Press ↵ or ► to select the function.
5. Use ◄ or ► to enable or disable the auto volume level.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under SOUND MODE.
- This function will only function if TruSurround XT is turned off.

TruSurround XT – This function will enable a virtual surround sound field that presents an expansive three dimensional sound field making the listener feel like there are “phantom” speakers that appear to extend all around the listener.

1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ▼ repeatedly to select SRS.
4. Press ↵ or ► to select the function.
5. Use ◄ or ► to on or off SRS.

Please Note :

- SRS surround sound depends on the room you are in. If there are too many objects between the TV and the listener or the walls are using sound absorbing material, the surround sound effects will be diminished or disabled.
- This function will only function if AVL is turned off.

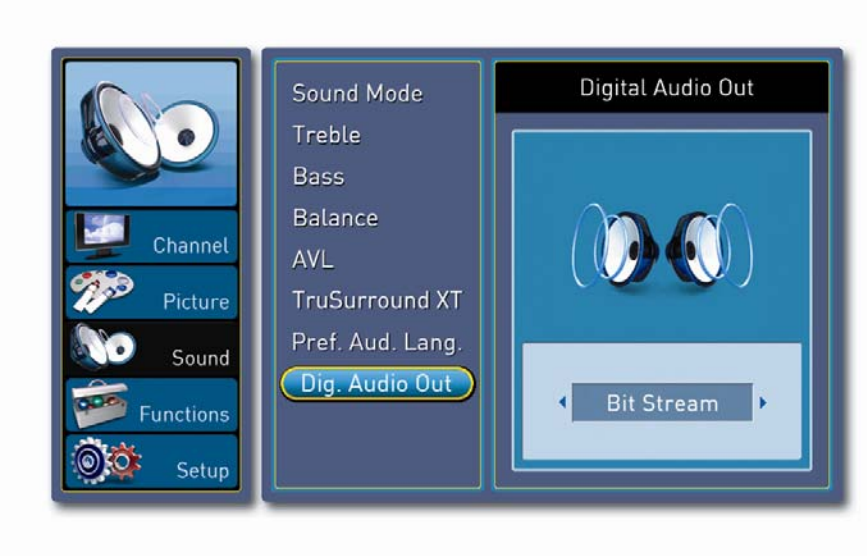
PREFERED AUDIO LANGUAGE – This function is for MTS (multi-channel television sound). It will change the spoken language of a TV program via SAP (secondary audio programming). The TV station will need to support the TV program in different languages in order for this function to work.

1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ▼ repeatedly to select AUDIO LANGUAGE.
4. Press ↵ or ► to select the function.
5. Use ◄ or ► to switch between the languages.

Please Note :

- This function can be reset back to the default via the RECALL subfunction under SOUND MODE.
- This function is not always available. It is based upon the support of your local TV broadcasting station's signal. If the TV station does not support MTS/SAP, you will not be able to receive any alternative audio language. Please check with your local broadcasting stations for more information.

DIGITAL AUDIO OUT – This function enables the TV to output sound in 2 digital formats, PCM, and Bit Stream for digital home theater receivers.



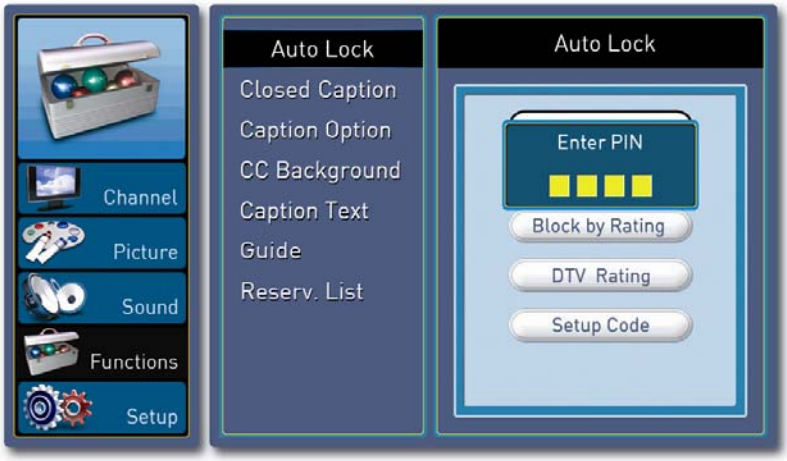
1. Press MENU to open the OSD and highlight SOUND by pressing the ▼ button.
2. Press ↵ or ► to move to the functions and highlight SOUND MODE.
3. Press ▼ repeatedly to select DIGITAL AUDIO OUT.
4. Press ↵ or ► to select the function.
5. Use ◄ or ► to select between the two options PCM and BITSTREAM.

Please Note :

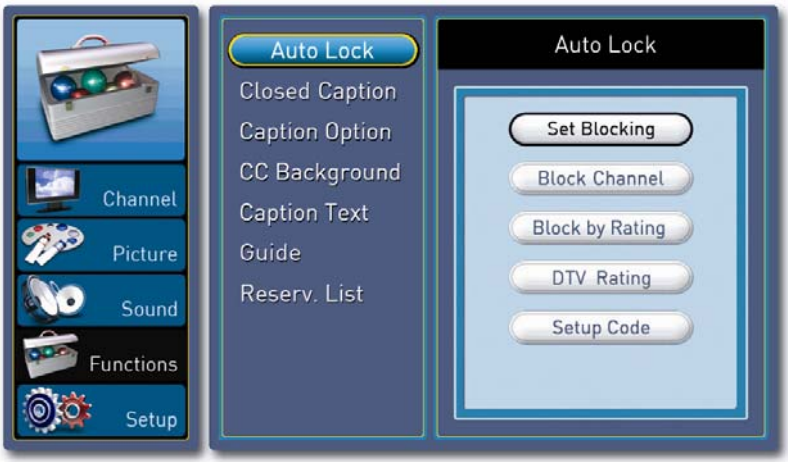
- PCM & BIT STREAM are two formats of digital sound. If you have a digital home theater system, you should use BIT STREAM for your digital audio out.
- **You must have a home theater system with SPDIF (optical) input in order for this function to work.**
- Not all TV programming will give you digital surround sound. The sound signal is based on the TV broadcasting station's support. Please check with your local broadcasting stations for more information.
- This function can be reset back to the default via the RECALL subfunction under SOUND MODE.

FUNCTION MAIN OPTION

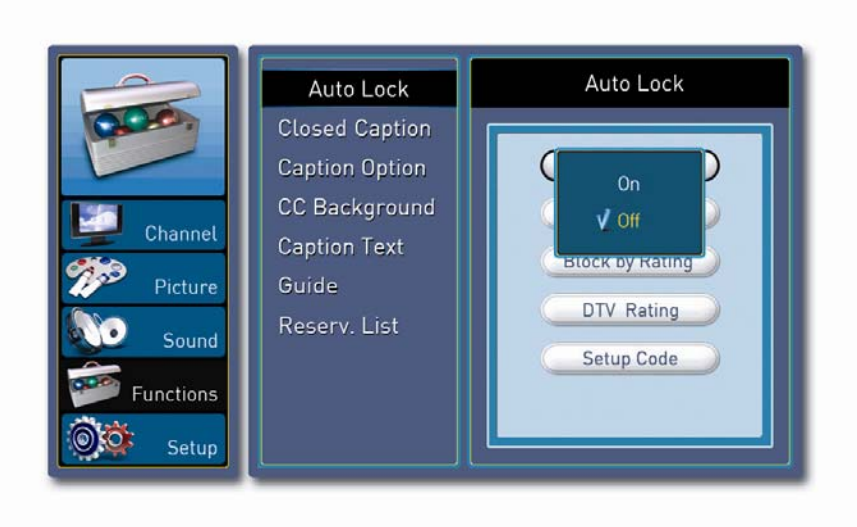
This option allows users to turn on TV program filters for children, and also closed captioning support options. **To use this option you will need to enter in the password first. The password is "0000".**



AUTO LOCK – This function helps parents filter TV programming by either locking channels by choice or blocking channels based on the ratings that TV stations submit through the signal.



1. SET BLOCKING – This subfunction turns blocking from CHANNEL BLOCKING on or off.

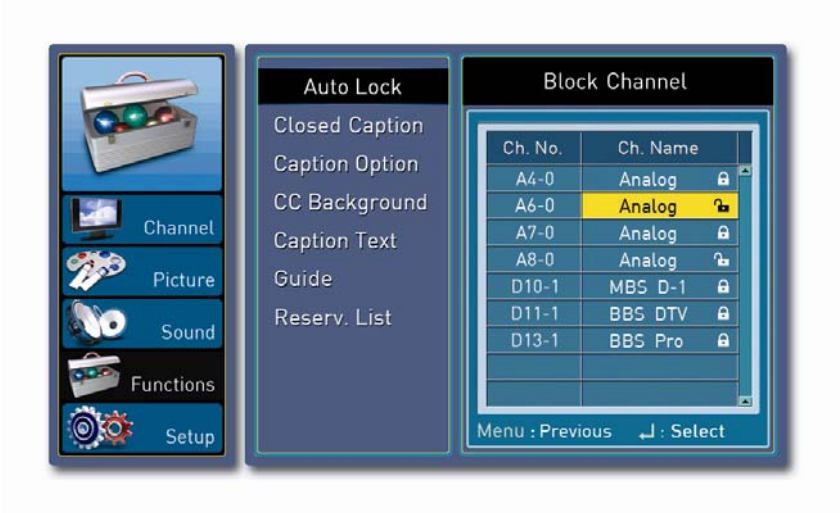


a. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
b. Press ↵ or ► to select the option and highlight AUTO LOCK.
c. Press ↵ to select the function.
d. Use ↵ or ► to select SET BLOCKING.
e. **Enter "0000" as the default password**.
f. Press ↵ to select the function.
g. Use ▲ or ▼ to choose the option you want and press ↵ to select.

Please Note :

- Turning the subfunction on will enable the CHANNEL BLOCKING FUNCTION. Turning the subfunction off will disable the CHANNEL BLOCKING FUNCTION.
- You can also disable the function by pressing in the password.

2. BLOCK CHANNEL – This subfunction blocks channels by selecting them off a channel list.

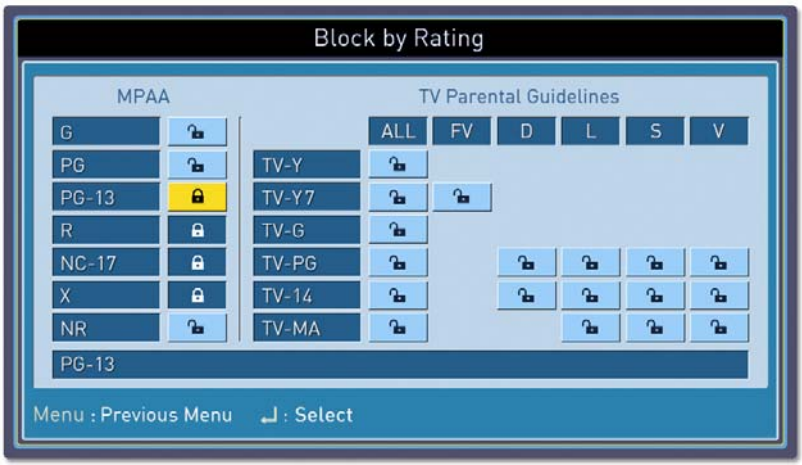


a. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
b. Press ↵ or ► to select the functions and highlight AUTO LOCK.
c. Press ↵ to select the function.
d. Press ▼ to select CHANNEL BLOCKING.
e. Press ↵ to select the function.
f. Highlight the channel you want to lock by using ▲ or ▼ buttons.
g. Lock or unlock the channel by pressing the ↵ button.
    i. If a channel is locked it would have the symbol.
    ii. If a channel is unlocked it would have the symbol.

Please Note :

- You can also block the channels by using the CH LOCK button on the remote control.
- This function will only work if SET BLOCKING subfunction is turned on.
- You can disable the function during channel browsing when it asks you for the auto lock password.
- The default auto lock password is **"0000"**.
- When a channel is blocked you can only change the channel by the CH+ or CH- buttons.

3. BLOCK BY RATING – This subfunction blocks channels by reading each channel's TV program or movie rating.



a. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.

b. Press ↵ or ► to select the functions and highlight AUTO LOCK.

c. Press ↵ to select the function.

a. Press ▼ until you see BLOCK BY RATING and use ↵ to select BLOCK BY RATING.

b. You can block movies by selecting the ratings under MPAA and TV shows under TV Parental Guidelines.

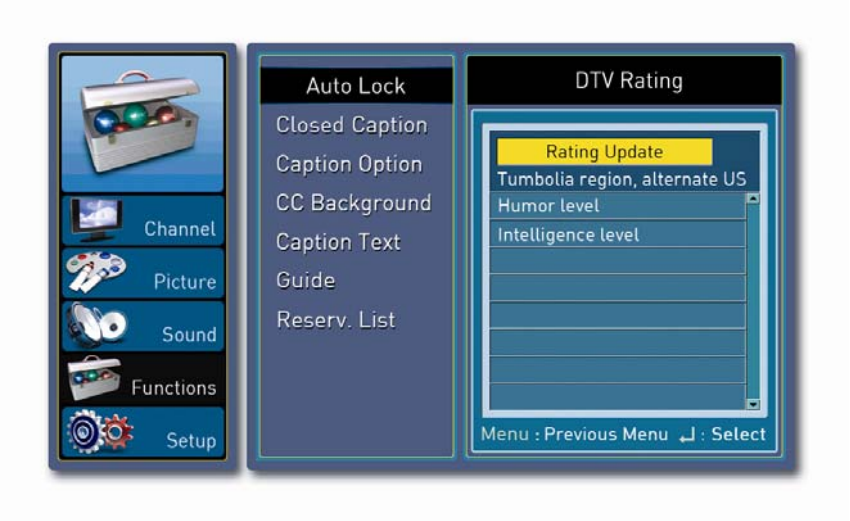
   i. Use ▲▼◄► to move to the ratings you want to block.

   ii. Press ↵ to block or unblock. If a rating is locked it would have the symbol. If a rating is unlocked it would have the symbol.

Please Note :

- This type of filtering for children watching TV will not always work since the ratings signal is dependent on whether the TV station sends the signal or not and whether the TV receives the ratings signal or not. For better assurance please use the CHANNEL BLOCKING subfunction.

4. DTV RATING – This subfunction gathers all digital channels's programming rating.



a. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.

b. Press ↵ or ► to select the functions and highlight AUTO LOCK.

c. Press ↵ to select the function.

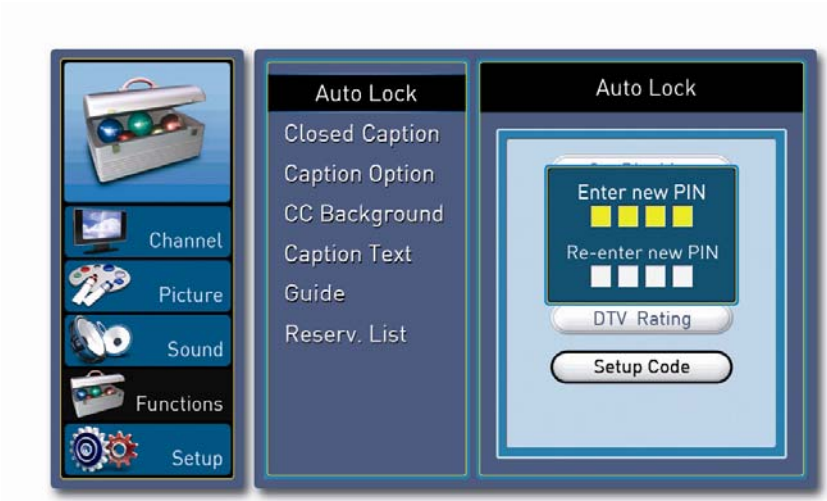
d. Press ▼ until you see DTV RATING and use ↵ to select it.

e. Press ↵ again to begin scanning for DTV ratings.

Please Note :

- This type of ratings for children watching TV will not always work since the ratings signal is dependent on whether the TV station sends the signal or not and whether the TV receives the ratings signal or not. For better assurance please use the CHANNEL BLOCKING subfunction.

5. SETUP CODE – This subfunction sets the password.

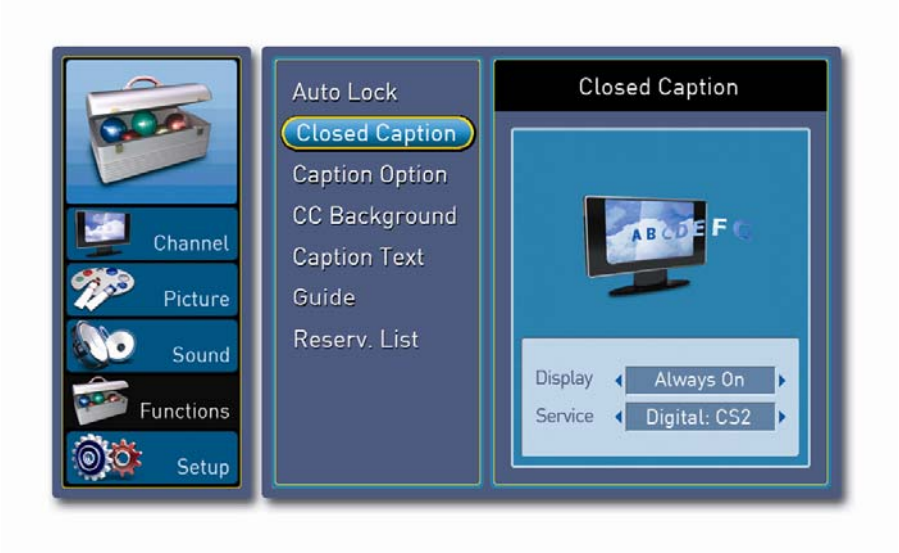


a. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
b. Press ↵ or ► to select the functions and highlight AUTO LOCK.
c. Press ↵ to select the function.
d. Press ▼ until you see SETUP CODE and use ↵ to select it.
e. Input **"0000"** as your password and input your new password.

Please Note :

- There is no way of resetting the password.
- If you're going to change the password, please write it down and keep it in a safe place just in case you forget.

CAPTION – This function shows closed caption of TV programs.

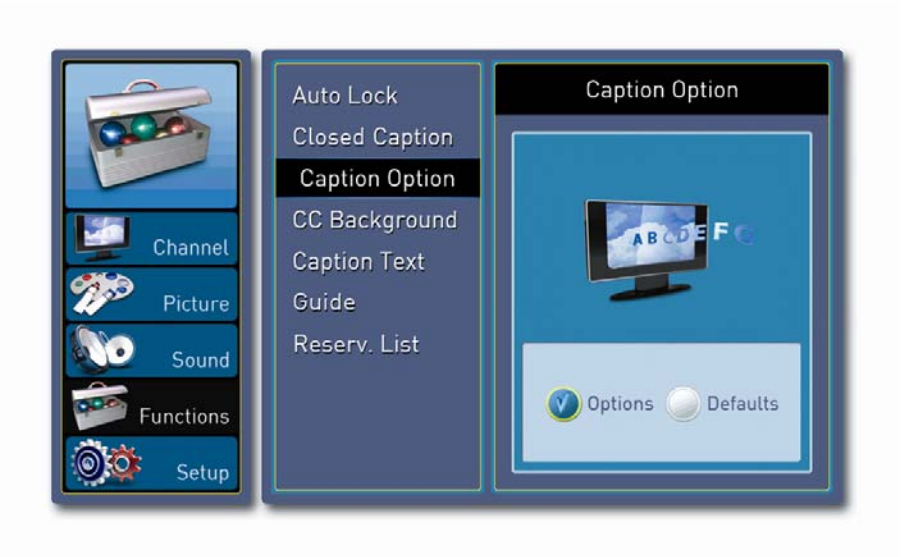


1. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight AUTO LOCK.
3. Press ▼ until you see CAPTION and use ↵ to select it.
4. Use ▲▼◄► to select the option you want.
5. US stations usually use CC1 for analog and CS1 for digital closed captioning.
6. Other CC and CS services do not apply to TV captioning inside US.
7. TT refers to text boxes that display the TV channel's extra information.

Please Note :

- Analog and digital closed captioning will automatically switch for you when you switch channels.
- Not all TV programs support closed captioning. This function depends on the TV station to support the signal with captioning. For more information please contact your TV broadcasting stations.
- TT box information may or may not display any related info to the TV program you are watching
- Closed Captioning for this TV only works under sources TV, AV1, and AV2.

CAPTION OPTION – This function locks or unlocks options you can use to adjust the way your digital caption is displayed.

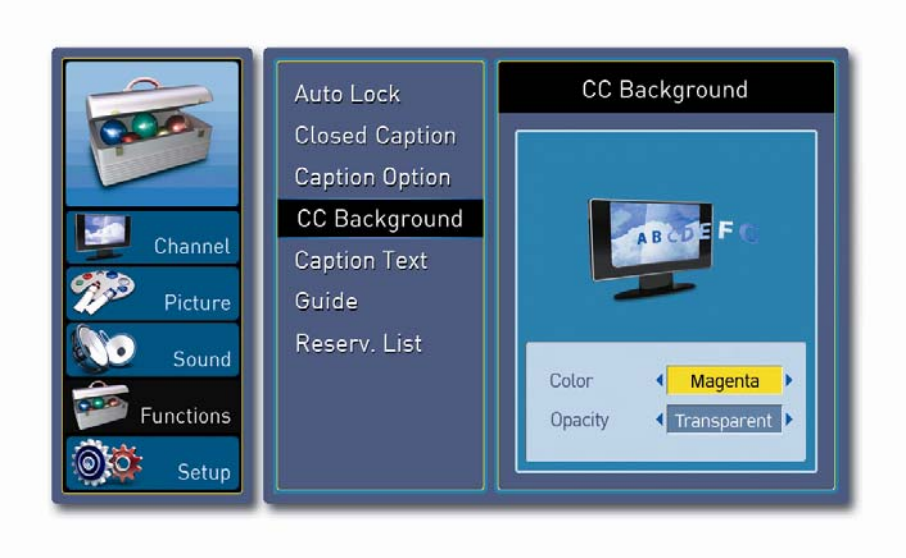


1. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight AUTO LOCK.
3. Press ▼ until you see CAPTION OPTION and use ↵ to select it.
4. Use ◄ or ► to select the option you want.
5. DEFAULTS locks up the functions CC BACKGROUND and CAPTION TEXT.
6. OPTIONS unlocks the functions CC BACKGROUND and CAPTION TEXT.

Please Note :

- Only digital station's closed captioning will be affected by this function. If you are on an analog TV channel, the caption will remain the same as before.
- Closed Captioning for this TV only works under sources TV, AV1, and AV2.

CC BACKGROUND – This function adjusts digital channel's closed captioning background.

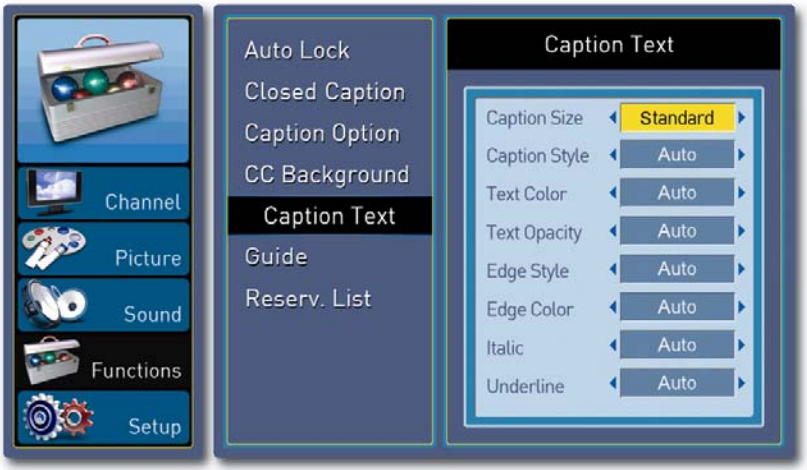


1. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight AUTO LOCK.
3. Press ▼ until you see CC BACKGROUND and use ↵ to select it.
4. Use ▲▼◄► to select the option you want.
5. The normal closed captioning defaults to a solid black background with white color text.
6. COLOR adjusts the background color.
7. OPACITY adjusts how transparent or solid you want the background color to be.

Please Note :

- This function only works under digital channels. If you are on an analog channel this function will default to the regular black background with white text.
- Closed Captioning for this TV only works under sources TV, AV1, and AV2.

CAPTION TEXT – This function adjusts digital channel's closed captioning text styles.

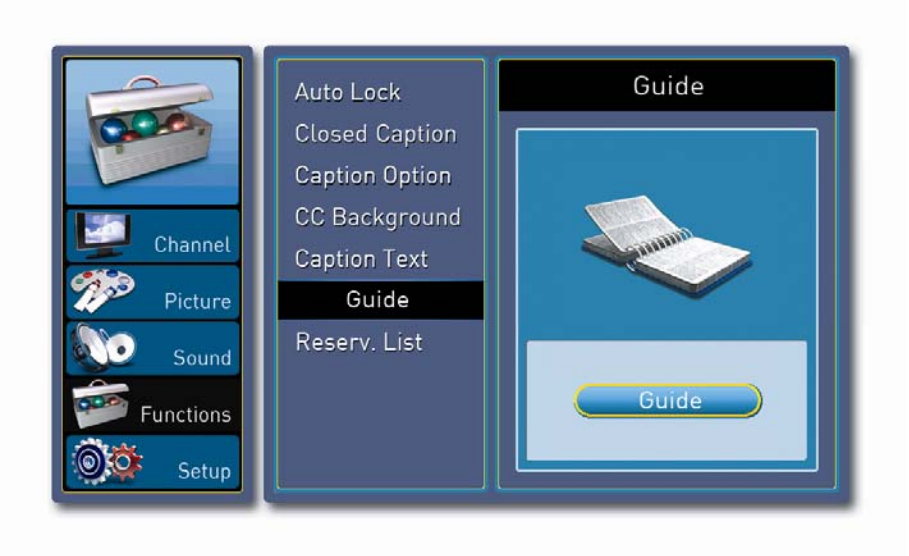


1. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight AUTO LOCK.
3. Press ▼ until you see CAPTION TEXT and use ↵ to select it.
4. Use ▲▼◄► to select the options you want.
5. The normal closed captioning defaults to a solid black background with white color text.
6. CAPTION SIZE changes the font size of the text.
7. CAPTION STYLE changes the font style of the text.
8. TEXT COLOR changes the font color of the text.
9. TEXT OPACITY changes the caption text from transparent to solid.
10. EDGE STYLE enhances a caption text's visibility by adding a 3 dimensional detail to the text. There are various options to this subfunction.
11. EDGE COLOR changes the 3 dimensional effect's color.
12. ITALIC makes the caption text look slanted.
13. UNDERLINE puts a line across the bottom of the caption text.

Please Note :

- These options only work under digital channels. If you are on an analog channel this function will default to the regular black background with white text.
- Closed Captioning for this TV only works under sources TV, AV1, and AV2.

GUIDE – This function shows you detailed information about your current digital channel's programming and the entire day's program list.



1. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight AUTO LOCK.
3. Press ▼ until you see GUIDE and use ↵ twice to select it.

4. Inside the GUIDE you can select the programming of the TV station by time, and RESERVE it for future viewing by pressing the ↵ key. When you press ↵ a clock sign 🕐 will appear next to the programming. This signifies that this program will now be reserved for viewing. When the time comes, the TV will prompt you 30 seconds ahead for switching to that channel. If you choose YES the TV will switch to the channel for you, if you choose NO, then the TV will stay on the current channel and remove the reservation from the reserve list.

Please Note :

- The guide only works under ANTENNA connection of TV tuner. It will not work with any other connection.

RESERV. LIST – This function is an actual function that's used while you have GUIDE turned on. You can reserve up to 5 programs that you want to watch in the future and the TV will automatically switch to that channel when the time comes.

1. Press MENU to open the OSD and highlight FUNCTION by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight AUTO LOCK.
3. Press ▼ until you see RESERV. LIST and use ↵ twice to select it.

Please Note :

- The reserve list only works under ANTENNA connection of TV tuner. It will not work with any other connection.
- If you did not reserve a program, the TV will tell you that the list is empty.
- You can only select a **maximum of 5** reserve programming.
- This function will only work, when the TV is turned ON.

SETUP MAIN OPTION

This main option has functions that allows users to power the TV on or off at a specific time and date, adjusting PC resolutions for VGA cards, and changing time and date for the TV.

DATE / TIME – This function adjusts the time and date.

1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ↵ to select the function.
4. Press ↵ to select SETTING.
5. Use ▲▼◄► to select the options.
    i. Daylight Savings – This option allows you to select whether you want to or do not want to observe daylight savings time.

ii. Time Zone – This option allows you to select 7 areas of time zone, between Pacific, Mountain, Central, Eastern, Alaska, Hawaii, and Atlantic.

iii. Date / Time – This option lets you choose between Auto or Manual date / time.

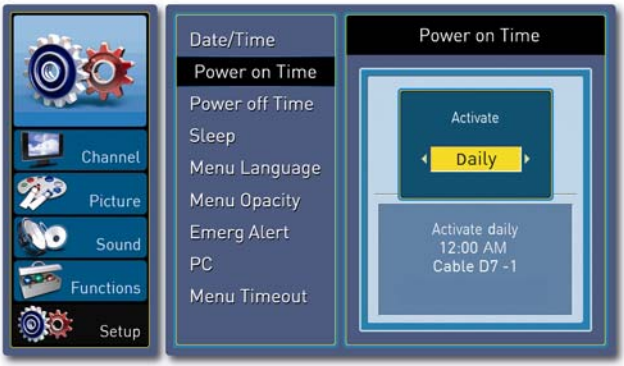
- MANUAL allows you to choose your own time and date.
- AUTO makes the TV receive time from TV station's broadcasting signals.

Please Note :

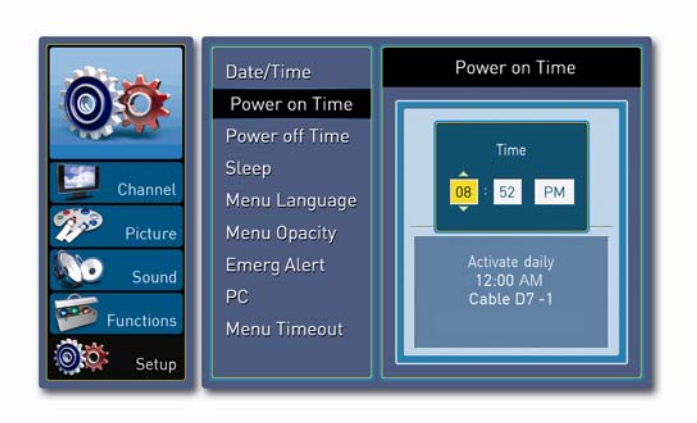
- The AUTO DATE/TIME feature only works under digital antenna channels. If you are on an analog antenna, analog cable, or digital cable channel, you will have to manually set the time.
- If you choose AUTO, please be aware that current digital channels will not always give you the correct time for syncing. Certain channels will give you different timing depending on the time zone the actual station has selected on their broadcasting server.

POWER ON TIME – This function automatically turns the TV on to a specific channel at a set specific time and date.

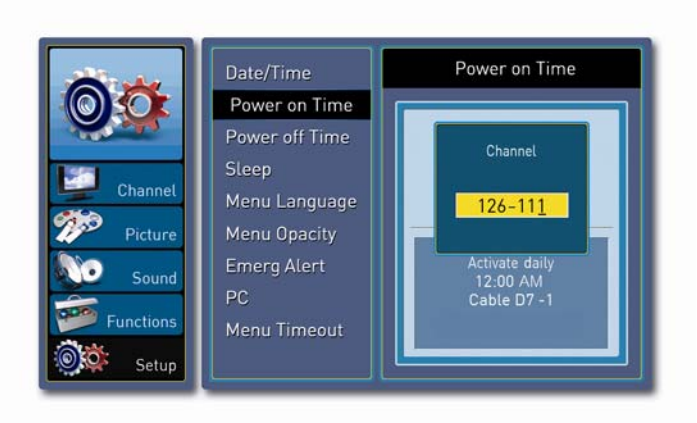
1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ to select POWER ON TIME and press ↵.
4. Select ACTIVATE and press ↵.
5. Use ▲▼◄► to select the options.
    - Activate – This lets you choose between, daily (as in turn on the TV automatically daily), once (as in turn on the TV automatically only once), or off (as in disable this feature).



- Time – This option lets you select what time you want the TV to automatically turn on.



- Channel – This option lets you choose which channel you want the TV to tune to, after it automatically powers on.

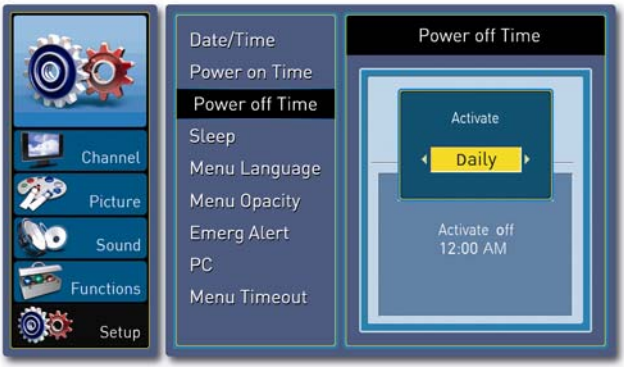


Please Note :

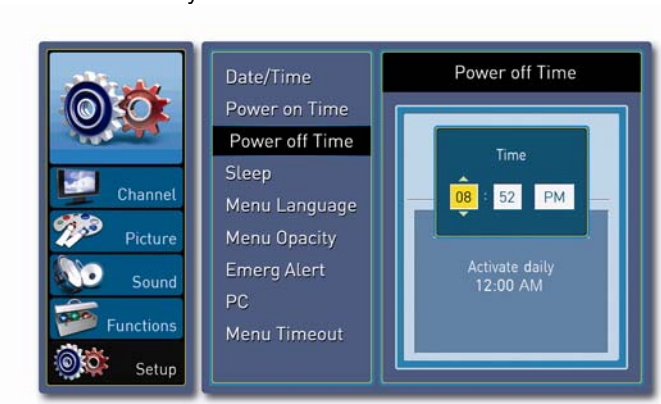
- This function is only for turning on the TV. If you do not setup POWER OFF TIME function, the TV will never turn itself off. If you are going on vacation for a long time, please do not forget to set the function POWER OFF TIME.
- This function is dependent on the TV's time / date. If the time / date is incorrect, this function will also be affected.

POWER OFF TIME – This function automatically turns the TV off at a set specific time and date.

1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ repeatedly until you select POWER OFF TIME and press ↵.
4. Select ACTIVATE and press ↵.
5. Use ▲▼◄► to select the options.
    - Activate – This lets you choose between, daily (as in turn on the TV automatically daily), once (as in turn on the TV automatically only once), or off (as in disable this feature).



- Time – This option lets you select what time you want the TV to automatically turn on.



Please Note :

- This function is dependent on the TV's time / date. If the time / date is incorrect, this function will also be affected.

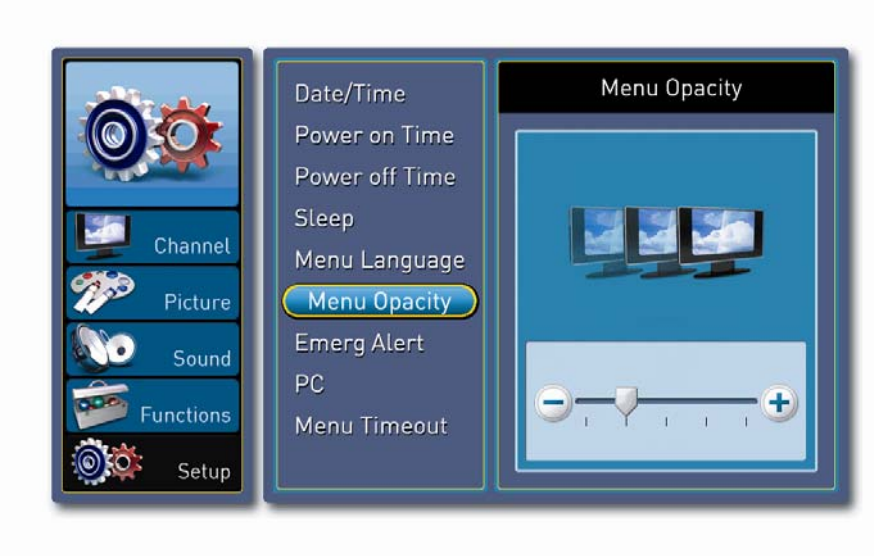
SLEEP – This function makes the TV turn itself off after a set number of minutes.

1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ repeatedly until you select SLEEP and press ↵.
4. Use ◄ or ► to select how many minutes you want the TV to be on and press ↵.
5. Once selected the TV will begin counting the minutes immediately.

MENU LANGUAGE – This function changes the entire OSD's language.

1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ repeatedly until you select MENU LANGUAGE and press ↵.
4. Use ◄ or ► to select language you want the TV to display the OSD in and press ↵.
5. Once selected the TV will display the language of your choice.

MENU OPACITY – This function changes the OSD menu's visual from transparent to solid.



1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ repeatedly until you select MENU OPACITY and press ↵.
4. Use ◄ or ► to select how transparent or solid you want to display the OSD in and press ↵.

EMERGENCY ALERT – This function adjusts options regarding your local emergency broadcasting service.

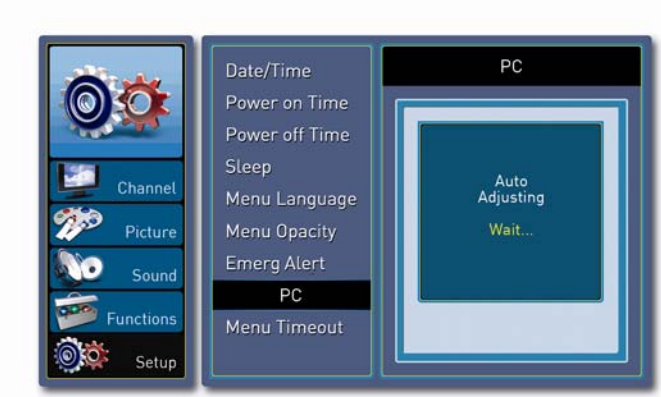
1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ repeatedly until you select EMERGENCY ALERT and press ↵.
4. Use ▲▼◄► to select if you want to display medium or low emergency alerts in your local area and press ↵.

Please Note :

- This function is dependent on your local TV station's support. If your local TV stations do not support such function, EMERGENCY ALERT will not work.

PC SETUP – This function is for people who use the X46 LCD HDTV's VGA port as a PC monitor only. The function adjusts the position and syncs the signal of the PC.

1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ repeatedly until you select PC and press ↵.
4. Use ▲ or ▼ to select the subfunction you want and press ↵.
5. AUTO ADJUST is a typical LCD monitor's auto adjust function. It syncs to the signal of the VGA card and auto adjusts the clock and phase of the signal so your picture comes out clear and centered.

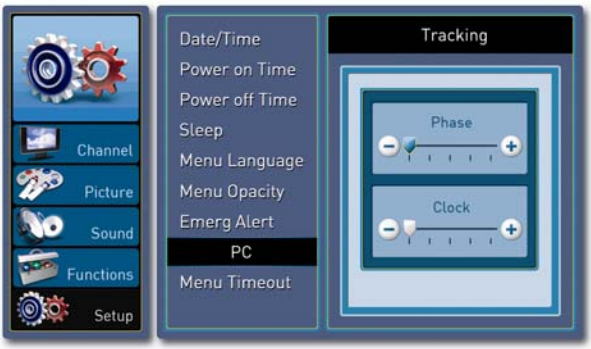


Please Note :

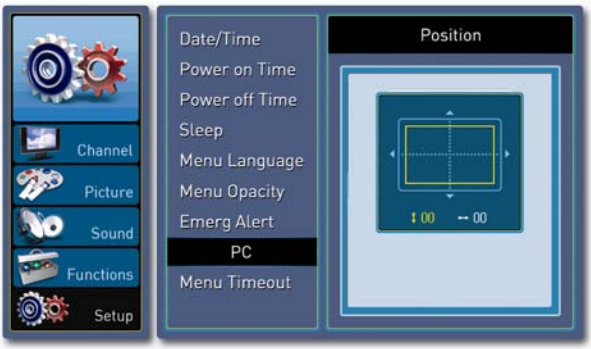
- The X46 LCD HDTV's best PC resolution is 1920x1080 at 60hz.
- Always try to use AUTO ADJUST over manual adjustments.

6. AUTO COLOR is a subfunction where the TV balances the color of the screen for you so that all colors on screen are displayed accurately.

7. TRACKING consists of PHASE and CLOCK.
   - PHASE adjusts the video signal in a small increment to sync with the PC.
   - CLOCK adjusts the video signal in a large increment to sync with the PC.



8. POSITION moves the picture left or right, up or down.



MENU TIMEOUT – This function adjusts how long the menu will be on the screen when you're not using it.

1. Press MENU to open the OSD and highlight SETUP by pressing the ▼ button.
2. Press ↵ or ► to select the functions and highlight DATE/TIME.
3. Press ▼ repeatedly until you select MENU TIMEOUT and press ↵.
4. Use ▲ or ▼ to select how long you want the OSD to display when it is idle.
5. Please finalize the selection by pressing ↵.

DETAILED EXPLANATIONS

INFO BANNER EXPLAINED

The info banner is a banner that shows TV programming info on the top portion of your TV. This function is only available when you use the ATSC/NTSC tuner port. You can use the INFO button on the remote control to access this function.

The info banner's left side shows you typical programming information such as TV station name, number, program name, date, and times the show starts and ends.

The info banner's right side shows you the TV's display information such as HD (High Definition) or SD (regular TV) mode, stereo sound, closed captioning, and digital surround sound.

- **HD or SD** – If highlighted this symbol shows you whether the channel you are watching is in HD (High Definition) or Standard Definition (regular TV).

- **((S))** – If Highlighted this symbol shows you that the channel you are watching is in stereo sound.

- If highlighted this symbol shows you are using the SAP (secondary audio programming) function from the TV channel. You can do so via the MTS button on the remote control. Please Note : This function is always active under analog stations whether the station supports this function or not.

- **CC** – If highlighted, this symbol tells you that this channel supports closed captioning.

- **5.1 CH** – If highlighted this symbol tells you that this channel supports 5.1 channel digital surround sound.

- **TV-MA ALL** – This is a type of TV rating. This section tells you the TV ratings of the program you are watching. Please refer to ratings explained for more information on ratings.

- This symbol and the indicator bar show you how strong your current channel's signal is. This function is only available under digital channels.

Please note : If you are watching an analog channel, this function will not work.

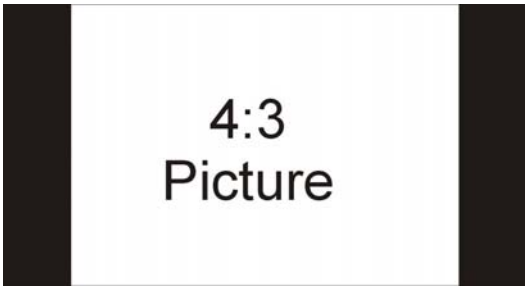
ASPECT RATIO EXPLAINED

The TV will display the TV channel's signal format automatically. There are mainly two types of signal format, 16:9 and 4:3.

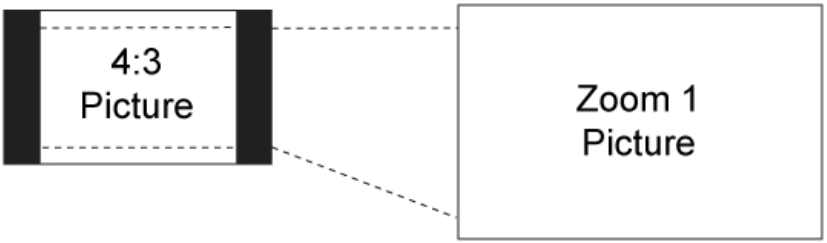
1. **1:1 Mode**
   This mode will 1 to 1 pixel ratio for the maximum resolution (1080P) of the TV. This mode should only be used for 1080P video sources such as PS3s or Blu-Ray DVD players.

2. **16:9**
   This mode will stretch the picture to a widescreen ratio. If you have a perfect 16:9 ratio picture you will not see any black bars. If you are watching a widescreen movie in 1.85:1 or 2.35:1 ratio, you will still get black bars on the top and bottom of the screen. If you use this mode on 4:3 pictures they will be stretched and distorted horizontally.

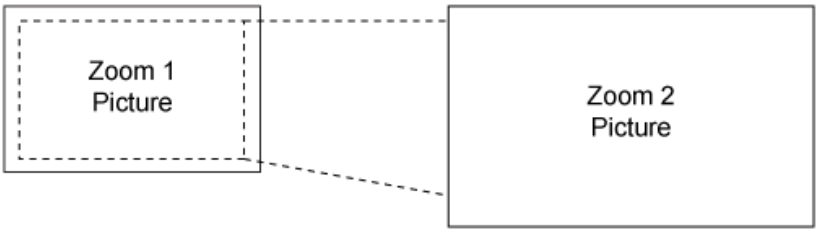
3. **4:3**
   Most analog TV channels have 4:3 signal formats. If the original 4:3 aspect ratio (1.33:1 source) is preserved, black bars are added to the left and right of the display image. This aspect keeps that aspect ratio and shows you the black bars on the side.



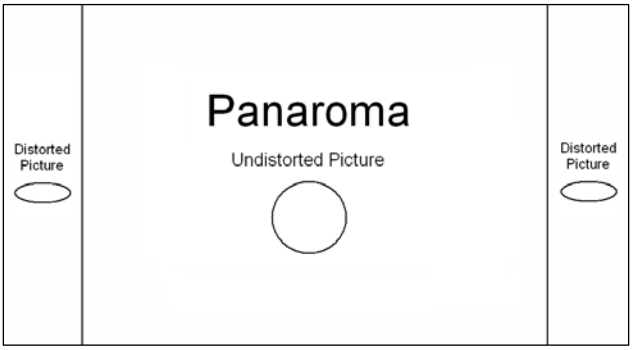
4. **Zoom 1**
   When watching a 4:3 aspect ratio TV or movie, this mode zooms in to cut off most of the black bars on the side while preserving the 16:9 ratio. Because of the zoom, the top and bottom are cut off as well.



5. **Zoom 2**
   This mode performs the same as Zoom1 except the level of zoom is increased.



6. **Panaroma**
   When watching a 4:3 aspect ratio TV or movie, there will be black bars on the side, you can remove this by using 16:9 aspect but the entire picture will be distorted horizontally. This mode will only distort the two sides of the TV (where the black bars used to be) but in the center the picture will still be proportional. This mode will fill the entire screen but most of your picture will be proportional. Please Note **:** When in HD mode aspect ratios will not work because it is controlled by the signal.



Aspect Ratio Availability List

1. Analog Channels
- 16 : 9, 4 : 3, Zoom 1, Zoom 2, Panorama

2. Digital Channels
- 16 : 9, 4 : 3, Zoom 1, Zoom 2, 1 : 1 Mode

3. AV1 and AV2 (CVBS / S-Video)
- 16 : 9, 4 : 3, Zoom 1, Zoom 2, Panorama

4. YPbPr1 and YPbPr2
- 16 : 9, 4 : 3, Zoom 1, Zoom 2, Panorama

5. VGA
- 16 : 9, 4 : 3

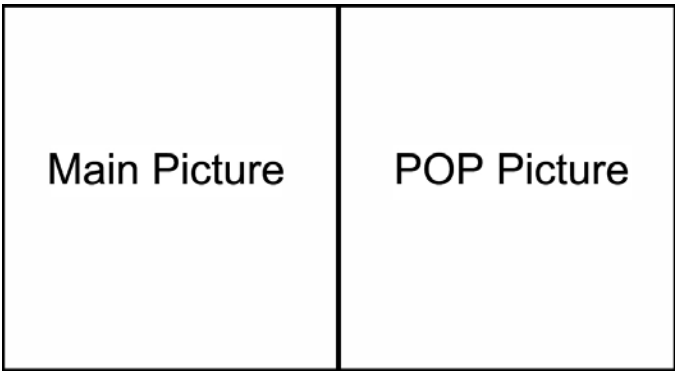
6. HDMI1, HDMI2, and HDMI3
- 16 : 9, 4 : 3, Zoom 1, Zoom 2, 1 : 1 Mode

Picture In Picture / Picture On Picture Explained

This television features Picture In Picture (PIP) and Picture On Picture (POP) options, however the TV is NOT designed for viewing 2 TV channels at the same time. If you want something like that, you'll need an external Tuner box such as a satellite set-top box or cable box. With the external box plugged into the TV, and also an antenna plugged into the TV tuner, you can get your local stations via the source TV, and your cable or satellite channels via another source.

PIP Window is a smaller picture window on one of the 4 edges of the TV showing you another source that the TV is connecting to.

POP Window is a picture window that takes up half of the screen. The other half is the main picture.



ON/OFF – To turn on the PIP or POP, press the ON/OFF button. When you press the ON/OFF button once, PIP will turn on, press the ON/OFF button again and PIP will turn into POP.
SOURCE – To switch sources in the PIP or POP window, press the source button and use the ▲▼◄►↵ buttons select the source you want your PIP or POP window to switch to.
POS – Press this button to switch the position of the PIP or POP window.
SIZE – Press this button to switch the size of the PIP window.
AUDIO SWAP (yellow) – Press this button to interchange the audio between the PIP/POP and the main picture.
VIDEO SWAP (yellow) – Press this button to replace the main picture with the PIP window's picture or vice versa.

PIP/POP Switch List

1. TV (Air/Cable) Switches With
   - YPbPr1, YPbPr2, VGA, HDMI1, HDMI2, HDMI3

   Please Note :
   - VGA can only be used under POP. PIP is N/A.

2. AV1 (CVBS / S-Video) Switches With
   - HDMI1, HDMI2, HDMI3

3. AV2 (CVBS / S-Video) Switches With
   - HDMI1, HDMI2, HDMI3

4. YPbPr1 Switches With
   - TV (Air/Cable), HDMI1, HDMI2, HDMI3

5. YPbPr2 Switches With
   - TV (Air/Cable), HDMI1, HDMI2, HDMI3

6. VGA Switches With
   - TV (Air/Cable), HDMI1, HDMI2, HDMI3

   Please Note :
   - Only POP is possible with this source.

7. HDMI1 Switches With
   - TV (Air/Cable), AV1, AV2, VGA, YPbPr1, YPbPr2

8. HDMI2 Switches With
   - TV (Air/Cable), AV1, AV2, VGA, YPbPr1, YPbPr2

9. HDMI3 Switches With
   - TV (Air/Cable), AV1, AV2, VGA, YPbPr1, YPbPr2

FAVORITE CHANNELS

Favorite Channels is a TV (Cable/Air) feature where you can use the remote to add your most browsed channels into a list, and then browse just that list of channels with the FAVORITE ▲▼ buttons.

▲▼ – Browses you favorite channel list up or down depending on the button you've pressed.
ADD/DEL – You can add or delete your current channel into your favorite channels list by pressing this button. If the channel was not added, then it will be added. If the channel was previously added, the TV will prompt you to remove the channel.

Please Note :
- You can also add or delete your favorite channel list from the OSD MENU.

CLOSED CAPTIONING (DIGITAL AND ANALOG) EXPLAINED

Your TV is equipped with an internal Closed Caption decoder. It allows you to view conservations, narration and sound effects as subtitles on your TV. Closed Captions are available on most TV program, and on some VHS home video tapes, at the election of the program provider.

CC – Press this button to enable the CC function. You can then use the ▲▼ buttons to select if you want CC off or CC on. You can use the ◄► buttons to select between different CC channels.

Please Note :

- Digital Closed Caption service is a new caption service available on digital TV programs (also at the election of the service provider). It is a more flexible system than the original Closed Caption system, because it allows a variety of caption sizes and font styles.
- Not all programs and VHS video tapes offer closed caption. Please look for the CC symbol to ensure that captions will be shown.
- In the Closed Caption system, there can be more than one caption service provided. Each is identified by its own number. The CC1 and CC2 services display subtitles of TV programs superimposed over the program's picture.
- In the Closed Caption system, the TEXT1 or TEXT2 services display text that is unrelated to the program being viewed (e.g., weather or news). These services are also superimposed over the program currently being viewed.
- Closed Captioning for this TV only works under sources TV, AV1, and AV2.

RATING EXPLAINED

General Operation

To block channels you don't want your children to watch, you can filter them with the ratings function. MPAA lets you control ratings for movies. For regular TV programs you can use USTV settings. USTV settings lets you filter what content you want at each age level, TV-Y, to TV-MA (refer to definitions below). Below are definitions for each setting.

USTV Rating

TV-Y (USTV) – For All Children
This program is designed to be appropriate for all children. Whether animated or live-action, the themes and elements in this program are specifically designed for a very young audience, including children from ages 2-6. This program is not expected to frighten younger children.

TV-Y7 (USTV) – Directed to Older Children
This program is designed for children age 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence or comedic violence, or may frighten children under the age of 7. Therefore, parents may want to consider the suitability of this program for their very young children. Note: For those programs where fantasy violence may be more intense or more combative than other programs in this category, such programs will be designated TV-Y7-FV.

TV-G (USTV) – General Audience
Most parents would find this program suitable for all ages. Although this rating does not signify a program designed specifically for children, most parents may let younger children watch this program unattended. It contains little or no violence, no strong language and little or no sexual dialogue or situations.

TV-PG (USTV) – Parental Guidance Suggested
This program contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The theme itself may call for parental guidance and/or the program contains one or more of the following: moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV-14 (USTV) – Parents Strongly Cautioned
This program contains some material that many parents would find unsuitable for children less than 14 years of age. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watches unattended. This program contains one or more of the following: intense violence (V), intense sexual situations (S), strong coarse language (L), or intensely suggestive dialogue (D).

TV-MA (USTV) – Mature Audience Only
This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17. This program contains one or more of the following: graphic violence (V), explicit sexual activity (S), or crude indecent language (L).

TV program description

FV - Fantasy Violence
V - Violence
S - Sexual Situations
L - Adult Language
D - Sexually Suggestive Dialog

MPAA Rating
G (MPAA)
General audiences. All ages admitted.

PG (MPAA)
Parental guidance suggested. Some material may not be suitable for children.

PG-13 (MPAA)
Parents strongly cautioned. Some material may be inappropriate for children under 13.

R (MPAA)
Restricted. Under 17 requires accompanying parent or adult guardian (age varies in some juridictions).

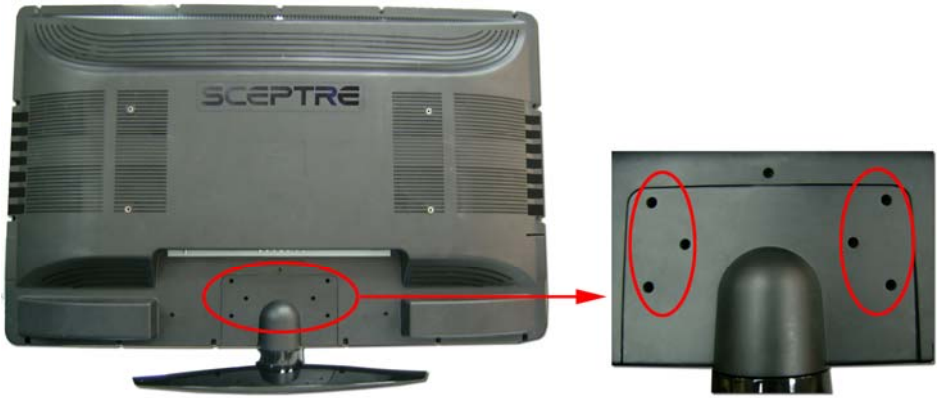
NC-17 (MPAA)
No one 17 and under admitted.

X (MPAA)
X is an older rating that is unified with NC-17 but may be encoded in the data of older movies.

REMOVING THE BASE FOR WALL MOUNTING

1. Please handle the TV with two or more people. Please locate a large flat surface (i.e. table) and put a soft cloth (i.e. blanket) on the surface. Please set the TV facing down on the flat surface so the panel does not get damaged.

2. Take a look at the neck plate that's connected to the TV. There should be 6 screws on the neck plate. Remove the 6 screws on the neck plate and the base will slide off.



3. Once you have taken off the base, please attach the alternate cover plate (with 4 screw holes) to the opening and tighten the plate with the original screws. Please save the 2 extra screws in a safe place so that they will not be lost when you want to re-attach the base.

4. The mounting specification is 600mm x 200mm using screw size M8. The depth of the mounting holes should not exceed 25mm. Please note : If you are if you are buying screws, please remember the 25mm depth is just the mounting holes. To get the total screw length you must still measure the thickness if your mounting plate and add 25mm in order to get your total screw length.

GLOSSARY

Analog TV – Today's TV system is using radio frequency waves to transmit and display pictures and sound. 480i is today's analog TV resolution.
Aspect Ratio 4:3 – Traditional TV " aspect ratio", that is, the screen's width as compared to it's height. For example a 32 inch TV would be 25 inches wide and 19 inches tall.

Aspect Ratio 16:9 – "Wide screen TV" aspect ratio, which is more like a movie screen than a traditional TV. For example your X46 LCD HDTV would be around 28 inches wide and 16 inches tall.

Digital Channel – Television channel delivered and displayed using radio frequency waves that contain information that is digitally encoded for improved quality and efficiency.

ATSC/NTSC Tuner – A device capable of receiving and outputting HDTV and analog TV signals for display.

HDTV – Television with the best quality picture, wide screen 16:9 display with at least 720 progressively scanned lines (720P) or 1080 interlaced lines (1080i) and digital surround sound. HDTV provides 900,000 – 2.1 million pixels.

Interlace Scan – A way to scan vertical lines onto a TV picture by scanning all the odd lines first, then filling in the even lines (this happens instantaneously). In a fast moving action picture or sports channel, this type of scanning will show pixilation.

Progressive Scan – A way to scan vertical lines onto a TV picture by scanning all the lines consecutively (progressively). In a fast moving action picture or sports channel, this type of scanning will show NO pixilation.

Digital Noise Reduction (DNR) – This is a filtering function that makes grainy videos look smoother and less blocky.

Temporal Noise Reduction – This is an advanced filtering function that makes grainy videos look smoother and less blocky but also makes the edges or borders of objects look sharp and not overly soft.

Adaptive Contrast – This is a function that makes the TV automatically increase color and contrast of the video depending on the picture's scene. Details in a dark picture environment such as a movie scene at night are more vivid by

boosting bright colors. Details in a bright daytime environment are more vivid by boosting dark colors.

Flesh Tone Adjustment – This function strengthens human skin color in a picture.

Blue Stretch – This function strengthens anything blue in a picture. Ie. The sky will be bluer, the water will be bluer.

HDMI – HDMI stands for high definition multimedia interface. It is a single connection that sends and receives high definition digital video and sound signals.

HDCP – HDCP stands for high definition content protection. This is a handshaking protocol that's installed between DVI and HDMI devices to ensure the quality of the video is secure.

VGA – VGA stands for video graphics array. This is the standard connection for most computers.

DVI – DVI stands for digital video interface. This is a new connection for most new computers and new video cards. With this connection, the picture becomes sharper and crisper.

HOW DO I CLEAN THE TV ?

IMPORTANT

1. The power cable has to be removed from the socket before cleaning the TV.
2. Do not use volatile solvent (alcohol, rosin, and toluene) to clean the TV. These types of chemicals might damage the housing and the LCD glass.

Cleaning the bezel and remote control

1. Use the included custom bezel cleaning cloth for cleaning and shining.
2. If the remote control or bezel is dirty to the point where you cannot simply dry wipe it, please lightly dampen a micro-fiber cloth or 100% cotton cloth with clean water and wipe again. Wipe the display with

a dry micro-fiber cloth or 100% cotton cloth afterwards. Finally buff the bezel with the included custom bezel cleaning cloth.

Please Note :

- Make sure you wring the water out of the cloth before cleaning the bezel or remote in order to prevent water from penetrating into the electronics.

Cleaning the Screen

1. Use a 100% cotton cloth or micro-fiber cloth for cleaning. DO NOT use the custom bezel cleaning cloth.
2. The LCD screen glass is extremely fragile. Do not scrape it with any material. Do not press or tap the screen to avoid cracking. When the screen is dirty to the point where you cannot simply dry wipe it, please lightly dampen the wiping material with clean water and wipe again. Wipe the display with a dry micro-fiber cloth or 100% cotton cloth afterwards.

TROUBLE SHOOTING

The following table contains the common problems and the solutions to these problems. Please check this list before you contact the technicians.

Problems	Solutions
NO PICTURE	Connect power cord correctly.
	Turn on power.
	Connect video cable correctly.
	Select the input signal source with proper cable connection with the source button.
ABNORMAL COLORS	Match the colors on the cables to the ports off the back of the television. I.E. red cable to red colored port.
PICTURE IS TOO DARK	Adjust your contrast, brightness and lamp settings from the OSD Menu.
AUDIO ONLY NO PICTURE	Make sure you have connected both your video and audio cables.
	The TV's tuner signal must not be lower than 65 %.

Problems	Solutions
PICTURE ONLY NO AUDIO	Make sure the audio cable is connected.
	Readjust your volume via the remote control.
	The TV's tuner signal must not be lower than 65 %.
REMOTE CONTROL DOES NOT WORK	Turn off the TV, unplug it from the socket. Remove the batteries out of the remote for 30 minutes. Press the remote buttons and the power button randomly for a good 2 seconds, and then reinstall the batteries. Try the remote to see if it works.
	The TV's remote sensor is also housed in the same place as the power indicator light. Please make sure there is line of sight from the remote control's front sensor to the remote sensor of the TV.
CANNOT RECEIVE SUFFICIENT CHANNELS THROUGH THE ATSC/NTSC TUNER	The TV's tuner signal must not be lower than 65 %. Change the direction of your antenna and rescan your channels. If you have cable call up your cable company and ask about signal strength of your local cable.
NO COLOR	Please adjust your picture setup and make sure the saturation and the RGB are not turned all the way down.
	The TV's tuner signal must not be lower than 65 %. Check your signal.
WEAK SIGNAL OR NO PROGRAM SYMBOL ON SCREEN	The TV's tuner signal must not be lower than 65 %. Change the direction of your antenna and rescan your channels. If you have cable call up your cable company and ask about signal strength of your local cable.
TV CHANNELS ARE BLOCKED	Check your auto lock function's settings inside the OSD. You may have locked up some channels but forgot about them.
UNIVERSAL REMOTE CODE	This TV follows SONY's universal remote code. Please check your hand book for SONY's codes then apply them.
THE TV TURNS ON OR OFF SLOWLY AND THE SCREEN SHOWS UP SLOWLY	**This TV is a High Definition liquid crystal display panel TV. It requires 10-12 seconds to power up and show the picture.**
NO SOUND ON PC	Make sure you have a 3.5 mm mini-jack cable connected from your pc's sound output to the TV's VGA STEREO INPUT.

Problems	Solutions
HDCP VIDEO SAYS NO HDCP SUPPORT	Reboot your HDCP video device but turning them off and unplugging the power cord. Wait up to 8 minutes to plug the power back in to see if it works or not.
HDCP VIDEO HAS NO AUDIO	Make sure you have a 3.5 mm mini-jack cable connected from your HDCP video device's sound output to the TV's VGA STEREO INPUT. If your HDCP video device uses RCA AUDIO jacks, you'll need to obtain a RCA audio converted into 3.5 mm mini-jack cable.
CANNOT GET 1920X1080 ON PC VGA	Make sure your computer's video card has the newest driver installed. If that does not help, please reboot your computer and try again. If you still cannot achieve that resolution, you might want to think about upgrade a video card.
PICTURE IS DISTORTED OR HAS ABNORMAL SOUND	This might be from interference from large electrical appliances, cars, motorcycles, or fluorescent lights. If the TV is close to the wall, try moving the TV to another room in your house to see if the problem still occurs.
PICTURE DOES NOT COVER THE ENTIRE SCREEN	If you're using HDMI or a TV digital channel make sure you use the ASPECT button to switch to 16:9 format. If you are using VGA, use the AUTO ADJUST function to adjust to the screen. Please Note : If you are using regular analog TV, AV1, AV2, or component in 480i resolution, use the ASPECT button to switch to 16:9 in order to fill up the screen. Please Note : This note this feature will distort the picture.
PICTURE QUALITY IS HORRIBLE!!	For best image quality, view HD widescreen programs where possible. If HD content is not available view "Standard Definition" from a digital source. Standard, analog TV will always be noticeable inferior to HD because your X46 LCD HDTV has video that is many times better than old TV's and so you can see interference and deficiencies you did not KNOW you had.
PICTURE HAS PIXELS THAT ARE ALWAYS DISPLAYING THE SAME COLOR	Your X46 LCD HDTV is manufactured using an extremely high level of precision technology, however, sometimes some pixels of your X46 LCD HDTV may not display. Pixels defects within industry specifications are inherent to this type of product and do not constitute a defective product.
AVL IS DISABLED	Please check the TruSurround XT function and make sure it is turned off.

Problems	Solutions
SWITCHING A CHANNEL OR SOURCE CHANGES THE VOLUME	Different channels and inputs will sometimes have this effect because the channel signal's own volume is already loud. There is no way remove this completely. The TV has an AUTO VOLUME LEVEL function that can combat this type of effect. Please make sure that function is turned on.
THERE IS NOISE OR TRASH PIXELS ON THE SCREEN	When your LCD HDTV's resolution is higher than the digital channel's broadcast resolution, the signal is up-converted to match your TV's resolution. Up-converting can cause this type of effect. Please use the noise reduction subfunctions on this TV to minimize this effect.
TIPS FOR HIGH DEFINITION USERS	The X46 LCD HDTV is an ideal platform for viewing High Definition Content. The best image quality can be achieved by HDMI, YPbPr (Component), then VGA. However, due to variances in broadcast practices, it is possible some image distortions can occur.
TIPS FOR LETTERBOX CONTENT USERS	Letterboxed (Widescreen) versions of DVD movies are most commonly formatted for standard 4:3 TVs. The X46 LCD HDTV has the capability of expanding this content so the entire screen is filled at the expense of the image proportion. To use this function press the aspect button on the remote control and cycle among the available options.
HDMI VIDEO IS FINE BUT THE SOUND IS PURE STATIC	The TV does not decode Bitstream audio information. Double check your DVD player or cable/satellite box to make sure that the audio is setup for PCM.
HDMI VIDEO FLASHES ON AND OFF	Your DVD player or cable/satellite set-top box is not handshaking correctly with the TV. Please try unplugging the power of your DVD player or cable/satellite set-top box, then turning it back on. If this does not work, you'll need to contact your cable or satellite company for more help.
PIP DOES NOT GIVE ME 2 CHANNELS AT THE SAME TIME	This TV does not have 2 TV tuners, therefore will not give you 2 channels at the same time. If you really need 2 channels at the same time, you can use the antenna for the TV tuner, then use a cable/satellite set-top box connected to another source of the TV, then use the cable remote and the TV remote to see both channels.
TV TURNS ITSELF OFF AFTER 15 MINUTES	The TV features a power saving mode which will automatically turn off the TV, if there's no signal provided for more than 15 minutes.
TruSurround XT IS DISABLED	Please check the AVL function and make sure it is turned off.

CALL US IF YOU NEED HELP!

Products are often returned due to a technical problem rather than a defective product that may result in unnecessary shipping charges billed to you. Our trained support personnel can often resolve the problem over the phone or email. For more information on warranty services or repairs after the warranty period, please contact our support department at the number below.

For technical help, contact our Sceptre Technical Support Group via email or phone. **Please have your Sceptre p/n number, serial number, and date of purchase available before you call.**

Tech Support E-mail : monitor-ts@sceptre.com
Customer Service Email : cs@sceptre.com
TEL : 1800-788-2878
Operation Hours : Mon - Fri at 8:30 AM – 5:30 PM Pacific Standard Time

16800 East Gale Ave.
City of Industry, CA 91745
TEL : 626-369-3698
FAX : 626-855-5711
Website : **www.SCEPTRE.com**

SPECIFICATION

Display panel	
Item	**Illustration**
Active Area / Screen Size	Diagonal 46 inches
Aspect Ratio	Widescreen 16:9
Pixel Pitch	0.53 (H) x RGB x 0.53 (V)mm
Max. of Pixels (Resolution)	HD (1920 x 1080 pixels) resolution
Brightness	550 nits (Typical)
Contrast	8000:1 (Dynamic) 2000:1 (Typical)
Response Time	6ms (gray to gray)
Viewing Angle	Typical 178 Degree (Horizontal/Vertical)
Lamp Life of Backlight	> 50,000hrs

TV DISPLAY	
Dimension	44.98“(W)x28.65“(H)x4.82”(D) inch w/o Base 44.98“(W)x31.35“(H)x10.7”(D) inch with Base
Weight	71 lbs with Base
Power input	100-240AVC, 50/60Hz, 4A max
Function	
(1)Video	
De-interlace	3D, SRC (Scan Rate Conversion) Improvements
Frame recover	3:2
Noise reducing core technology	3D Digital Comb Filter, Digital Noise Reduction
Aspect ratio	1:1, 16:9, 4:3, Zoom1, Zoom2, Panorama

(1)Video (continued)	
Gamma	Fixed Gamma
Lamp adjust	Yes
Picture mode	Custom / Standard / Mild / Vivid / Multimedia / Recall
Video adjust	Contrast / Brightness / Sharpness / Saturation / Tint / RGB
3 levels of color temp. for VGA	Cool / Normal / Warm
Picture Enhancement	APL (Dynamic Average Picture Level), Dynamic Sharpness Adjustment, Enhanced Color Management
PIP/POP	Yes
(2)Audio	
Sound Mode	Custom / Standard / Movies / Music / Speech / Recall
Auto Volume Level (AVL)	Yes
Tone	Bass / Treble / Balance
Loudness	Yes
Surround	SRS TrueSurround XT
SPDIF Out	Yes (optical)
Speakers	10 watt per channel
(3) General	
Hybrid TV Tuner	NTSC / ATSC / QAM (Digital Cable Ready)
Channel auto scan	Yes
Sleep timer	Off /15mins /30mins /45mins /60mins /90mins /120mins /180mins /240mins
Standby power	Under 5W
Timing support-Video	480i / 480p / 720p / 1080i / 1080p
PC timing	1920*1080@60Hz (NATIVE) 1360*768@60Hz 1280*768@60Hz 1024*768@60, 70, 75Hz 800*600@60, 75Hz 640*480@60, 75Hz
(4)NTSC/ATSC	
NTSC	Sound: Mono / Stereo / SAP
	Favorite Channel
	V-chip
	Closed caption (CC1-CC4, Text 1-Text 4)

(4)NTSC/ATSC (continued)	
ATSC	Sound: Mono / Stereo / SAP
	Favorite Channel
	V-chip
	Video input format: 1080i, 720p, 480p, 480i
	Analog closed caption: (CC1-CC4, Text 1-Text 4) Digital closed caption: (Service 1-Service 6)
(5)I/O	
	TV Tuner (NTSC/ATSC), AV1(CVBS), AV1(S-Video), AV2(CVBS), AV2(S-Video), YPbPr1, YPbPr2, HDMI1/HDCP (optional), HDMI2/HDCP (optional), HDMI3/HDCP (optional), VGA, Stereo In, Audio Out, SPDIF (optical) out

*The product's specifications may change without notice or obligation.
**This manual's pictures and words are for references only and are subject to change without notice or obligation. Sceptre Inc is not liable for the misuse or misinterpretation of this manual.

LIMITED PRODUCT WARRANTY

Please read this warranty card carefully, it is a “ONE-YEAR LIMITED WARRANTY” on parts and labor and is only valid when purchased from an Authorized Reseller, only on new and non-refurbished product, and available to customers in the Continental US, Alaska, Hawaii and Puerto Rico. See below for the SCEPTRE Extended Service warranty.

SCEPTRE’s Responsibility
SCEPTRE Displays purchased in the United States are warranted to be free from defects in materials or workmanship for a period of one (1) year from the date of their original retail purchase. If the unit fails to conform to this warranty, we will service the monitor using new or refurbished parts.

Service Labor
During a period of one (1) year from the effective warranty date, SCEPTRE will provide, when needed, service labor to repair a manufacturing defect at Sceptre’s own Service Center. To obtain warranty service in the Untied States, you must first call our Customer Support at (800) 788-2878. The determination of service will be made by SCEPTRE Customer Support. PLEASE DO NOT RETURN YOUR UNIT TO SCEPTRE WITHOUT PRIOR AUTHORIZATION.

Parts
New or remanufactured replacements for defective parts will be used for repairs by SCEPTRE at its designated Service Center for one (1) year from the effective warranty date. Such replacement parts are warranted for the remaining portion of the original warranty period.

Service
During the one (1) year warranty period, SCEPTRE will, at its option and sole discretion, repair or replace defective parts, including replacement of the entire Panel. The Customer will be required to ship the unit to the Service Center indicated at the time Customer Support is contacted to make the necessary repairs, you are responsible for all transportation charges to the service facility. SCEPTRE is NOT responsible for the de-installation or re-installation of the unit.

Packaging and Shipping Instruction

When you send the product to an authorized SCEPTRE service facility you must use the original carton box and packing material or an equivalent as designated by SCEPTRE.

Not Covered
This warranty does not cover defects, malfunctions or failures resulting from shipping or transit accidents, abuse, misuse, operation contrary to furnished instructions, operation on incorrect power supplies, operation with faulty associated equipment, modification, alteration, improper servicing, tampering or normal wear and tear or TVs on which the serial number has been removed or defaced. Image Sticking caused by operating at excessive brightness levels for extended periods or mishandling are not covered by this warranty.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE SHALL BE LIMITED IN DURATION TO THE PERIOD OF TIME SET FORTH ABOVE. OUR LIABILITY FOR ANY AND ALL LOSSES AND DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER, INCLUDING OUR NEGLIGENCE, ALLEGED DAMAGE OR DEFECTIVE GOODS, WHETHER SUCH DEFECTS ARE DISCOVERABLE OR LATENT, SHALL IN NO EVENT EXCEED THE PURCHASE PRICE OF THE DISPLAY. WE SHALL NOT BE RESPONSIBLE FOR LOSS OF USE, COMMERCIAL LOSS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES. SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is the only warranty applicable; no one is authorized to extend or modify it or to grant any other warranty.
SCEPTRE retains the right to assess all warranty claims and to determine if damages are covered by the warranty. In case of a claim that is not covered by the warranty, you will be contacted to determine whether SCEPTRE should repair the damage for a fee or whether the product should be returned to you as received by the repair center.

Dead Pixel Policy
There are millions of pixels on a LCD screen. Therefore, there is industry standard specification regarding dead or bad pixels. SCEPTRE sets limit on the LCD at 3 dead pixels in a cluster adjacent to each other, or 5 dead pixels in a combination of color and brightness of dead pixels. Any number of dead or bad pixels under the limit is considered normal specification.

Owner's Responsibility
Effective Warranty Date
Warranty begins on the date of sale to the end user. To ensure warranty service, keep the dated bill or sale receipt as evidence of the purchase date.

Warranty Service
For warranty service information, contact SCEPTRE Customer Support at (800) 788-2878, 8:30 am to 5:30 pm PST or visit www.Sceptre.com. Parts and service labor that are SCEPTRE's responsibility (see above) will be provided without charge. Other service is at the owner's expense. You must provide the model, serial number and date of purchase. Before you ask for warranty service, read your User Manual. You might avoid a service call.
Warranty conditions are subject to change, for latest Warranty Terms and Conditions and additional information regarding your warranty, please see complete details online at www.SCEPTRE.com.

Sceptre Extended Warranty
Protect your investment beyond the standard warranty and experience piece of mind with SCEPTRE's Extended Service Warranty.
Depending on your model, plans are offered for an additional 2 years. Visit www.SCEPTRE.com or call 1-800-788-2878 to purchase a plan today.

TRADEMARKS

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- PlayStation® 3 is a registered trademark or trademark of Sony Computer Entertainment Inc. in the United States and other countries.
- Wii™ is a registered trademark or trademark of Nintendo of America, Inc. in the United States and other countries.
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FCC COMPLIANCE STATEMENT

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following conditions:
This device may not cause harmful interference
This device must accept any interference received, including interference that my cause undesired operation.

Please Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Caution: To comply with the limits for an FCC Class B computing device, always use the signal cord and power cord supplied with this unit.

The Federal communications Commission warns that changes or modifications to the unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

European Notice

Products with the CE marking comply with both the EMC Directive (89/336/EEC), (93/68/EEC) and the Low Voltage Directive (72/23/EEC) issued by the Commission of the European Community.